



Cornell University

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Medical College

1967-68

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Cornell University

Medical College

1967-68

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The courses and curricula described in this Announcement, and the teaching personnel listed therein, are subject to change at any time by official action of Cornell University.

1967							1968													
July							January							July						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1		1	2	3	4	5	6		1	2	3	4	5	6
2	3	4	5	6	7	8	7	8	9	10	11	12	13	7	8	9	10	11	12	13
9	10	11	12	13	14	15	14	15	16	17	18	19	20	14	15	16	17	18	19	20
16	17	18	19	20	21	22	21	22	23	24	25	26	27	21	22	23	24	25	26	27
23	24	25	26	27	28	29	28	29	30	31				28	29	30	31			
30	31																			
August							February							August						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
		1	2	3	4	5						1	2	3					1	2
6	7	8	9	10	11	12	4	5	6	7	8	9	10		4	5	6	7	8	9
13	14	15	16	17	18	19	11	12	13	14	15	16	17	11	12	13	14	15	16	17
20	21	22	23	24	25	26	18	19	20	21	22	23	24	18	19	20	21	22	23	24
27	28	29	30	31			25	26	27	28	29			25	26	27	28	29	30	31
September							March							September						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
					1	2							1	2						
3	4	5	6	7	8	9	3	4	5	6	7	8	9		1	2	3	4	5	6
10	11	12	13	14	15	16	10	11	12	13	14	15	16		8	9	10	11	12	13
17	18	19	20	21	22	23	17	18	19	20	21	22	23		15	16	17	18	19	20
24	25	26	27	28	29	30	24	25	26	27	28	29	30		22	23	24	25	26	27
							31								29	30				
October							April							October						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7		1	2	3	4	5	6			1	2	3	4	5
8	9	10	11	12	13	14	7	8	9	10	11	12	13	6	7	8	9	10	11	12
15	16	17	18	19	20	21	14	15	16	17	18	19	20	13	14	15	16	17	18	19
22	23	24	25	26	27	28	21	22	23	24	25	26	27	20	21	22	23	24	25	26
29	30	31					28	29	30					27	28	29	30	31		
November							May							November						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
		1	2	3	4					1	2	3	4						1	2
5	6	7	8	9	10	11	5	6	7	8	9	10	11	3	4	5	6	7	8	9
12	13	14	15	16	17	18	12	13	14	15	16	17	18	10	11	12	13	14	15	16
19	20	21	22	23	24	25	19	20	21	22	23	24	25	17	18	19	20	21	22	23
26	27	28	29	30			26	27	28	29	30	31		24	25	26	27	28	29	30
December							June							December						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
					1	2							1		1	2	3	4	5	6
3	4	5	6	7	8	9	2	3	4	5	6	7	8	8	9	10	11	12	13	14
10	11	12	13	14	15	16	9	10	11	12	13	14	15	15	16	17	18	19	20	21
17	18	19	20	21	22	23	16	17	18	19	20	21	22	22	23	24	25	26	27	28
24	25	26	27	28	29	30	23	24	25	26	27	28	29	29	30	31				
31							30													

Calendar

STUDENTS IN FIRST, SECOND, AND FOURTH YEARS

1967

June 19	Registration; instruction begins for fourth year, first division
July 4	Independence Day, holiday
Aug. 10	Second division begins for fourth year
Sept. 4	Labor Day, holiday
Sept. 7 & 8	Examinations for conditioned students
Sept. 8 & 11	Registration for first and second years
Sept. 11	Opening Exercises, 3:30 P.M.
Sept. 12	Instruction begins for first and second years
Oct. 2	Third division begins for fourth year
Nov. 23	Thanksgiving Day, holiday
Nov. 24	Fourth division begins for fourth year
Nov. 25	End of fall term for first and second years, 1 P.M.
Nov. 27-Dec. 2	Examinations for first and second years
Dec. 4	Beginning of winter term for first and second years
Dec. 16	Instruction ends, 1 P.M., Christmas recess begins
Dec. 25	Christmas Day, holiday

1968

Jan. 1	New Year's Day, holiday
Jan. 2	Christmas recess ends, instruction begins
Jan. 29	Fifth division begins for fourth year
Mar. 2	Winter term ends for first and second years, 1 P.M.
Mar. 4-9	Examinations for second year
Mar. 4-16	Examinations for first year
Mar. 10-16	Spring recess for second year
Mar. 18	Spring term begins for first and second years
Mar. 23-31	Spring recess for fourth year
Apr. 2	Sixth division begins for fourth year
Apr. 14-21	Spring recess for first year
May 23	Instruction ends for fourth year
May 30	Memorial Day, holiday
May 24-28	Examinations for fourth year
June 1	Instruction ends for second year
June 3-5	Examinations for second year
June 5	Commencement, 3 P.M.
June 8	Instruction ends for first year
June 10 & 11	Examinations for first year

STUDENTS IN THIRD YEAR

1967

Sept. 5	Registration; instruction begins for third year
Oct. 30	First rotation of Section II, Divisions C, D, and E
Nov. 23	Thanksgiving Day, holiday
Nov. 27	Rotation of Section I, Divisions A and B
Dec. 21-Jan. 1	Christmas vacation

1968

Jan. 2	Second rotation of Section II, Divisions C, D, and E
Feb. 18-25	Vacation for Section I, Division D
Feb. 19-24	Ob. Orientation for Section I, Division C
Feb. 19-24	Section I, Division E, continues assignments on Medicine and Surgery
Feb. 26	Midyear rotation of all divisions of Sections I and II
Apr. 14-21	Spring vacation for Section I, Divisions C and E; and Section II, Divisions A and B
Apr. 15-20	Ob. Orientation for Section I, Division D
Apr. 22	First rotation of Section I, Divisions C, D, and E
May 20	Rotation of Section II, Divisions A and B
June 10	Second rotation of Section I, Divisions C, D, and E
Aug. 3	Instruction ends for third year

Cornell University

THE NEW YORK HOSPITAL-CORNELL MEDICAL CENTER

The Center was formed by an agreement between the Society of The New York Hospital and Cornell University in order to associate organically the hospital and the medical college and to effect a complete coordination of the medical, educational, and scientific activities of the two institutions.

The Center is operated under the supervision of a Joint Administrative Board, composed of three governors of The Society of The New York Hospital, three representatives of the Board of Trustees of Cornell University, and one other member elected by the appointed members. The President of The New York Hospital-Cornell Medical Center is the chief executive officer of the Joint Administrative Board, composed of the following:

E. Hugh Luckey, President

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Arthur H. Dean

Stanton Griffis

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Walter B. Wriston

FORM OF BEQUESTS

The Society of The New York Hospital is associated with the Cornell University Medical College, which is one of the colleges of Cornell University, under the title of "The New York Hospital-Cornell Medical Center."

Gifts or bequests should be made to the College, to the Hospital, or to the Center.

If for the College, the language may be: "I give and bequeath to Cornell University the sum of \$..... for use in connection with its Medical College in New York City." If it is desired that a gift shall be used in whole or in part for any specific purpose in connection with the College, such use may be specified.

8 EXECUTIVE FACULTY

If for the Hospital, the language may be: "I give and bequeath to the Society of The New York Hospital, the sum of \$... .."

If for the Center, the language may be: "I give and bequeath to The New York Hospital-Cornell Medical Center Foundation, Inc., the sum of \$... .."

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For the purpose of discharging its duties to the Memorial Hospital under the Douglas Deeds of Trust, the Board of Trustees is constituted as the Council of the Cornell University Medical College in New York City.

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James C. Strickler

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Dorothea Bennett
Edward W. Hook, Jr.
Ralph E. Peterson
Donald J. Reis

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Thomas Killip III
Richard N. Kohl
Fred Plum

FACULTY*

EMERITUS PROFESSORS

ARTHUR F. ANDERSON, M.D. [1930; 1962]	<i>Clinical Professor of Pediatrics</i>
DAVID P. BARR, M.D. [1916; 1957]	<i>Professor of Medicine</i>
ALEXANDER BRUNSCHWIG, M.D. [1947; 1967]	<i>Clinical Professor of Surgery</i>
MCKEEN CATTELL, M.D. [1925; 1959]	<i>Professor of Pharmacology</i>
ANTHONY C. CIPOLLARO, M.D. [1948; 1966]	<i>Clinical Professor of Medicine</i> <i>(Dermatology)</i>
LLOYD F. CRAVER, M.D. [1934; 1959]	<i>Clinical Professor of Medicine</i>
HAROLD W. K. DARGEON, M.D. [1947; 1963]	<i>Clinical Professor of Pediatrics</i>
EDWARD H. DENNEN, M.D. [1933; 1965]	<i>Clinical Professor of Obstetrics and</i> <i>Gynecology</i>
OSKAR DIETHELM, M.D. [1936; 1962]	<i>Professor of Psychiatry</i>
R. GORDON DOUGLAS, M.D. [1932; 1965]	<i>Professor of Obstetrics and</i> <i>Gynecology</i>
VINCENT DU VIGNEAUD, Ph.D. [1938; 1967]	<i>Professor of Biochemistry</i>
DAYTON J. EDWARDS, Ph.D. [1918; 1950]	<i>Professor of Physiology</i>
CLAUDE E. FORKNER, M.D. [1938; 1966]	<i>Clinical Professor of Medicine</i>
HARRY GOLD, M.D. [1922; 1965]	<i>Clinical Professor Pharmacology</i>
PHYLLIS GREENACRE, M.D. [1932; 1962]	<i>Clinical Professor of Psychiatry</i>
CONNIE M. GUION, M.D. [1924; 1951]	<i>Clinical Professor of Medicine</i>
JAMES A. HARRAR, M.D. [1932; 1948]	<i>Clinical Professor of Obstetrics and</i> <i>Gynecology</i>
EDWIN T. HAUSER, M.D. [1935; 1961]	<i>Clinical Professor of Medicine</i>
LOUIS HAUSMAN, M.D. [1923; 1959]	<i>Clinical Professor of Medicine (Neurology)</i>
JOSEPH C. HINSEY, Ph.D. [1936; 1967]	<i>Professor of Neuroanatomy</i>
SAMUEL Z. LEVINE, M.D. [1924; 1961]	<i>Professor of Pediatrics</i>
ASA L. LINCOLN, M.D. [1921; 1959]	<i>Clinical Professor of Medicine</i>
WILLIAM F. MacFEE, M.D. [1936; 1958]	<i>Clinical Professor of Surgery</i>
ADE T. MILHORAT, M.D. [1933; 1964]	<i>Clinical Professor of Medicine</i>
CHARLES V. MORRILL, Ph.D. [1915; 1953]	<i>Professor of Anatomy</i>
JOSEPH N. NATHANSON, M.D.C.M. [1926; 1965]	<i>Clinical Professor of Obstetrics</i> <i>and Gynecology</i>
EUGENE I. OPIE, M.D. [1932; 1941]	<i>Professor of Pathology</i>
PAUL REZNIKOFF, M.D. [1924; 1961]	<i>Clinical Professor of Medicine</i>
WILSON G. SMILLIE, M.D. [1937; 1955]	<i>Professor of Public Health</i>
CARL H. SMITH, M.D. [1928; 1964]	<i>Clinical Professor of Pediatrics</i>
FRANK R. SMITH, M.D. [1932; 1965]	<i>Clinical Professor of Obstetrics and</i> <i>Gynecology</i>
ISRAEL STEINBERG, M.D. [1940; 1967]	<i>Clinical Professor of Radiology</i>
ALEXANDER R. STEVENS, M.D. [1924; 1946]	<i>Clinical Professor of Surgery</i> <i>(Urology)</i>
LEWIS D. STEVENSON, M.D. [1922; 1957]	<i>Clinical Professor of Medicine</i> <i>(Neurology)</i>
HAROLD J. STEWART, M.D. [1932; 1961]	<i>Clinical Professor of Medicine</i>
PHILIP M. STIMSON, M.D. [1919; 1956]	<i>Clinical Professor of Pediatrics</i>
EDWARD TOLSTOI, M.D. [1927; 1962]	<i>Clinical Professor of Medicine</i>
BRUCE P. WEBSTER, M.D.C.M. [1932; 1967]	<i>Clinical Professor of Medicine</i>
MAY G. WILSON, M.D. [1918; 1959]	<i>Clinical Professor of Pediatrics</i>
PHILIP D. WILSON, M.D. [1951; 1955]	<i>Clinical Professor of Surgery</i> <i>(Orthopedics)</i>
IRVING S. WRIGHT, M.D. [1946; 1967]	<i>Clinical Professor of Medicine</i>

* The figures in brackets following the name of each faculty member indicate the date of original appointment and the year of induction into present rank.



PROFESSORS

- BENJAMIN ALEXANDER, *Clinical Professor of Medicine*. A.B. 1930, M.D. 1934, Harvard. [1966]
- THOMAS P. ALMY, *Professor of Medicine*. Attending Physician, New York Hospital; Associate Attending Physician, Memorial Hospital; Director and Visiting Physician, Second Medical Division, Bellevue Hospital. A.B. 1935, M.D. 1939, Cornell. [1940; 1957]
- JOSEPH F. ARTUSIO, JR., *Professor of Anesthesiology (Chairman)*. Anesthesiologist-in-Chief, New York Hospital. B.S. 1939, St. Peter's; M.D. 1943, Cornell. [1946; 1957]
- WILLIAM A. BARNES, *Clinical Professor of Surgery*. Attending Surgeon, New York Hospital. A.B. 1933, C.C.N.Y.; M.D. 1937, Cornell. [1938; 1967]
- GORAN C. H. BAUER, *Professor of Surgery (Orthopedics)*. Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. M.D. 1948, Karolinska Institute, Sweden. [1963]
- LEONA BAUMGARTNER, *Clinical Professor of Public Health; Clinical Associate Professor of Pediatrics*. Associate Attending Pediatrician, New York Hospital. A.B. 1923, M.A. 1925, Kansas; Ph.D. 1932, M.D. 1934, Yale. [1935; 1958]
- ALEXANDER G. BEARN, *Professor of Medicine (Chairman)*. Physician-in-chief, New York Hospital. M.B.B.S. 1946, M.D. 1951, University of London. [1966]
- EDWARD J. BEATTIE, JR., *Professor of Surgery (Chairman)*. Attending Surgeon, Memorial Hospital. B.A. 1939, Princeton; M.D. 1943, Harvard. [1966; 1967]
- JOSEPH H. BURCHENAL, *Professor of Medicine*. Attending Physician, Memorial Hospital. M.D. 1937, Pennsylvania. [1949; 1952]
- HERBERT CONWAY, *Clinical Professor of Surgery (Plastic Surgery)*. Attending Surgeon in Charge of Plastic Surgery, New York Hospital. M.B. 1928, B.S., M.D., 1929, M.S., 1932, Cincinnati. [1932; 1955]
- WILLIAM COOPER, *Clinical Professor of Surgery (Orthopedics)*. Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. B.S. 1929, New York University; M.D. 1933, Long Island College of Medicine. [1951; 1966]
- FRANK E. CORMIA, *Clinical Professor of Medicine (Dermatology)*. Attending Physician, New York Hospital. B.S. 1926, M.D. 1930, Vermont; M.S. 1934, Pennsylvania. [1946; 1965]
- PAUL F. DE GARA, *Clinical Professor of Pediatrics (Allergy); Clinical Associate Professor of Medicine (Allergy)*. Associate Attending Pediatrician; Associate Attending Physician, New York Hospital. M.D. 1926, Heidelberg University; M.D. 1927, Padua University. [1941; 1967]
- JOHN E. DEITRICK, *Dean; Professor of Medicine*. Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. B.S. 1929, Princeton; M.D. 1933, Johns Hopkins. [1935; 1957]
- JOHN W. DRAPER, *Clinical Professor of Surgery (Urology)*. Attending Surgeon (Urology), New York Hospital. M.A. 1927, Dartmouth; M.D. 1931, Cornell. [1935; 1966]
- HENRY S. DUNNING, *Clinical Professor of Neurology in Medicine*. Associate Attending Physician, New York Hospital; Consulting Neurologist, New York Hospital, Westchester Division. A.B. 1927, M.D. 1930, Cornell. [1932; 1961]
- MURRAY DWORETZKY, *Clinical Professor of Medicine*. Attending Physician, New York Hospital. A.B. 1938, Pennsylvania; M.D. 1942, Long Island College of Medicine; M.S. 1950, Minnesota. [1951; 1966]
- JOHN A. EVANS, *Professor of Radiology (Chairman)*. Radiologist-in-Chief, New York Hospital. B.S. 1931, New York University; M.D. 1935, Cornell. [1937; 1953]
- AARON FEDER, *Clinical Professor of Medicine*. Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. M.D. 1938, Maryland. [1941; 1965]
- RICHARD H. FREYBERG, *Clinical Professor of Medicine*. Associate Attending Physician, New York Hospital; Attending Physician, Hospital for Special Surgery. A.B. 1926, M.D. 1930, M.S. 1934, Michigan. [1944; 1957]
- FRITZ F. FUCHS, *Given Foundation Professor of Obstetrics and Gynecology (Chairman)*. Obstetrician-and-Gynecologist-in-Chief, New York Hospital. M.D. 1944, Dr. Med. Sci., University of Copenhagen. [1965]
- RALPH W. GAUSE, *Clinical Professor of Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. A.B. 1926, Texas; M.D. 1930, Harvard. [1935; 1962]

14 FACULTY

- GERHARD GIEBISCH, *Professor of Physiology*. M.D. 1951, University of Vienna. [1953; 1965]
- FRANK GLENN, *Lewis Atterbury Stimson Professor of Surgery (Chairman)*. Surgeon-in-Chief, New York Hospital. M.D. 1927, Washington University. [1932; 1947]
- SANFORD GOLDSTONE, *Professor of Psychology in Psychiatry*. B.S. 1947, C.C.N.Y.; Ph.D. 1953, Duke. [1967]
- ROGER L. GREIF, *Professor of Physiology*. B.S. 1937, Haverford; M.D. 1941, Johns Hopkins. [1953; 1965]
- FRANCIS J. HAMILTON, *Clinical Professor of Psychiatry*. Attending Psychiatrist, New York Hospital. A.B. 1928, St. Joseph's; M.D. 1933, Jefferson. [1940; 1962]
- MILTON HELPERN, *Visiting Professor of Pathology*. B.S. 1922, C.C.N.Y.; M.D. 1926, Cornell. [1931; 1966]
- ELLIOT HOCHSTEIN, *Clinical Professor of Medicine*. Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. A.B. 1928, Columbia; M.D. 1932, New York University. [1952; 1964]
- CRANSTON W. HOLMAN, *Clinical Professor of Surgery*. Attending Surgeon, New York Hospital. A.B. 1927, M.D. 1931, Stanford. [1932; 1958]
- EDWARD W. HOOK, Jr., *Professor of Medicine*. Associate Attending Physician, New York Hospital. B.S. 1943, Wofford College; M.D. 1949, Emory University. [1959; 1964]
- FRANK L. HORSFALL, Jr., *Professor of Medicine*. President and Director, Sloan-Kettering Institute; Director, Sloan-Kettering Division of Cornell University Graduate School of Medical Science. B.A. 1927, University of Washington; M.D.C.M. 1932, McGill University. [1960]
- WILLIAM T. INGRAM, *Visiting Professor of Public Health Engineering*. A.B. 1930, Stanford; M.P.H. 1942, Johns Hopkins. [1957]
- DONALD G. JOHNSON, *Clinical Professor of Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. B.A. 1936, Maine; M.D. 1940, Yale. [1942; 1965]
- DAVID A. KARNOFSKY, *Professor of Medicine*. Attending Physician, Memorial Hospital; Associate Visiting Physician, Bellevue Hospital. A.B. 1934, California; A.M. 1936, M.D. 1940, Stanford. [1949; 1966]
- B. H. KEAN, *Clinical Professor of Medicine (Tropical Medicine)*. Attending Physician, New York Hospital. A.B. 1933, University of California (Berkeley); M.D. 1937, Columbia. [1952; 1965]
- JOHN G. KIDD, *Professor of Pathology*. A.B. 1928, Duke; M.D. 1932, Johns Hopkins. [1944]
- EDWIN D. KILBOURNE, *Professor of Public Health*. Associate Attending Physician, New York Hospital. A.B. 1942, M.D. 1944, Cornell. [1955; 1961]
- ELMER E. KRAMER, *Clinical Professor of Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. B.S. 1935, M.D. 1938, Tulane. [1946; 1965]
- MILTON I. LEVINE, *Clinical Professor of Pediatrics*. Attending Pediatrician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. B.S. 1923, C.C.N.Y.; M.D. 1927, Cornell. [1933; 1967]
- ALLYN B. LEY, *Professor of Medicine*. Attending Physician, New York Hospital; Attending Physician, Memorial Hospital; Associate Visiting Physician, Bellevue Hospital. A.B. 1939, Dartmouth; M.D. 1942, Columbia. [1947; 1963]
- WILLIAM T. LHAMON, *Professor of Psychiatry (Chairman)*. Psychiatrist-in-Chief, New York Hospital. A.B. 1936, M.D. 1940, Stanford. [1962]
- C. WALTON LILLEHEI, *Lewis Atterbury Stimson Professor of Surgery (Chairman)*. Surgeon-in-Chief, New York Hospital. B.S. 1939, M.B. 1941, M.D. 1942, M.S. 1951, Ph.D. 1951, University of Minnesota. [1967]
- E. HUGH LUCKEY, *Professor of Medicine*. President, New York Hospital-Cornell Medical Center; Vice President, New York Hospital; Vice President for Medical Affairs, Cornell University; Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. B.S. 1940, Union; M.D. 1944, Vanderbilt; Sc.D. 1954, Union. [1949; 1966]
- VICTOR F. MARSHALL, *Professor of Surgery (Urology)*. Attending Surgeon In Charge of Urology, New York Hospital; Associate Attending Surgeon, Memorial Hospital. M.D. 1937, Virginia. [1938; 1957]
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- JOHN M. McLEAN, *Professor of Surgery (Ophthalmology)*. Attending Surgeon in Charge of Ophthalmology, New York Hospital; Consulting Ophthalmologist, Memorial Hospital. M.E. 1930, Stevens Institute; M.D. 1934, Cornell. [1941; 1943]
- ALTON MEISTER, *Israel Rogosin Professor of Biochemistry (Chairman)*. S.B. 1942, Harvard; M.D. 1945, Cornell. [1947; 1967]
- ROBERT C. MELLORS, *Professor of Pathology*. Associate Attending Pathologist, New York Hospital; Director of Laboratory and Pathology, Hospital for Special Surgery. A.B. 1937, M.A. 1938, Ph.D. 1940, Western Reserve; M.D. 1944, Johns Hopkins. [1961]
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- CARL MUSCHENHEIM, *Clinical Professor of Medicine*. Attending Physician, New York Hospital. A.B. 1928, M.D. 1931, Columbia. [1933; 1960]
- STEN-ERIK OLSSON, *Visiting Professor of Comparative Orthopedics in Surgery*. D.V.M. 1947, D.Vet.Sci. 1951, Royal Veterinary College, Stockholm; M.D. 1962, Karolinska Institute, Stockholm. [1964]
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- RALPH F. PHILLIPS, *Clinical Professor of Radiology*. Attending Radiologist, New York Hospital; Attending Radiation Therapist, Memorial Hospital. M.B.B.S. 1928, M.S. 1930, University of London. [1950; 1966]
- ROBERT F. PITTS, *Professor of Physiology (Chairman)*. B.S. 1929, Butler University; Ph.D. 1932, Johns Hopkins; M.D. 1938, New York University. [1942; 1950]
- FRED PLUM, *Anne Parrish Titzell Professor of Neurology in Medicine*. Neurologist-in-Chief, New York Hospital; Visiting Physician, Bellevue Hospital. B.A. 1944, Dartmouth; M.D. 1947, Cornell. [1963]
- JULIAN R. RACHELE, *Professor of Biochemistry*. B.A. 1934, M.S. 1935, Ph.D. 1939, New York University. [1939; 1965]
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- RULON W. RAWSON, *Professor of Medicine*. Attending Physician and Chairman, Department of Medicine, Memorial Hospital; Visiting Physician, Bellevue Hospital. M.B. 1937, M.D. 1938, Northwestern. [1948; 1951]
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- JOHN Y. SUGG, *Professor of Microbiology*. A.B. 1926, M.S. 1928, Ph.D. 1931, Vanderbilt. [1932; 1964]
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- ROBERT F. WATSON, *Clinical Professor of Medicine*. Attending Physician, New York Hospital. M.D. 1934, Virginia. [1946; 1960]
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- SAM C. ATKINSON, *Clinical Associate Professor of Medicine (Dermatology)*. Associate Attending Physician, New York Hospital. B.A. 1937, Mississippi; M.D. 1941, Tulane. [1950; 1967]
- PETER A. McF. AULD, *Associate Professor of Pediatrics*. Associate Attending Physician, New York Hospital. B.A. 1948, Toronto; M.D.C.M. 1952, McGill. [1962; 1966]
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- ARTHUR WHITLEY BRANWOOD, *Associate Professor of Pathology*. Attending Pathologist, New York Hospital. M.B. Ch.B. 1942, M.D. 1948, University of Edinburgh. [1963]
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- J. ROBERT BUCHANAN, *Associate Dean; Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. B.A. 1950, Amherst; M.D. 1954, Cornell. [1956; 1967]
- MYRON I. BUCHMAN, *Clinical Associate Professor of Obstetrics and Gynecology*. Associate Attending Physician, New York Hospital. A.B. 1943, Lehigh; M.D. 1946, Johns Hopkins. [1952; 1966]
- CHARLES L. BURSTEIN, *Clinical Associate Professor of Anesthesiology*. Associate Attending Anesthesiologist, New York Hospital; Director of Anesthesiology, Hospital for Special Surgery. B.S. 1928, New York University; M.D. 1934, University of Paris. [1955; 1962]
- WILLIAM G. CAHAN, *Clinical Associate Professor of Surgery*. Associate Attending Surgeon, Memorial Hospital. B.S. 1935, Harvard; M.D. 1939, Columbia. [1950; 1966]
- ROLLA D. CAMPBELL, JR., *Clinical Associate Professor of Surgery (Orthopedics)*. Associate Attending Surgeon (Orthopedics), New York Hospital; Associate Attending Orthopedic Surgeon, Hospital for Special Surgery. A.B. 1942, Harvard; M.D. 1945, Columbia. [1956; 1965]
- ERIC T. CARLSON, *Clinical Associate Professor of Psychiatry*. Associate Attending Psychiatrist, New York Hospital. A.B. 1944, Wesleyan; M.D. 1950, Cornell. [1952; 1962]
- HENRY A. CARR, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. A.B. 1931, Princeton; M.D. 1935, Cornell. [1947; 1963]
- WILLIAM D. CASH, *Associate Professor of Biochemistry*. B.S. 1951, Ph.D. 1954, North Carolina. [1954; 1966]
- AARON D. CHAVES, *Clinical Associate Professor of Medicine; Clinical Assistant Professor of Public Health*. Associate Attending Physician, New York Hospital. B.S. 1931, William and Mary; M.D. 1935, New York University. [1946; 1966]
- WILLIAM N. CHRISTENSON, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. B.S. 1949, North Carolina; M.D. 1948, Johns Hopkins. [1953; 1965]
- GEORGE O. CLIFFORD, *Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital; Attending Physician, Memorial Hospital; Assistant Visiting Physician, Bellevue Hospital. M.D. 1949, Tufts. [1963]
- EUGENE E. CLIFTON, *Clinical Associate Professor of Surgery*. Attending Surgeon, Memorial Hospital. B.S. 1933, Lafayette; M.D. 1937, Yale. [1938; 1966]
- EUGENE J. COHEN, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. B.A. 1933, M.S. 1934, Wisconsin; M.D. 1938, Cornell. [1940; 1961]
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- FARRINGTON DANIELS, JR., *Associate Professor of Medicine (Dermatology)*. Associate Attending Physician, New York Hospital. B.A. 1940, M.A. 1942, Wisconsin; M.D. 1943, M.P.H. 1952, Harvard. [1962]
- HELEN E. DANIELLS, *Clinical Associate Professor of Psychiatry*. Associate Attending Psychiatrist, New York Hospital. A.B. 1937, Barnard; M.D. 1941, Cornell. [1945; 1965]
- E. WILLIAM DAVIS, JR., *Clinical Associate Professor of Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. A.B. 1947, Wesleyan; M.D. 1951, Cornell. [1952; 1962]
- MICHAEL R. DEDDISH, *Clinical Associate Professor of Surgery*. Attending Surgeon, Memorial Hospital. A.B. 1933, M.D. 1937, Ohio State University. [1942; 1955]
- THOMAS F. DILLON, *Clinical Associate Professor of Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. M.D. 1947, Georgetown University. [1952; 1962]

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- PETER DINEEN, *Clinical Associate Professor of Surgery*. Attending Surgeon, New York Hospital. M.D. 1947, Cornell. [1949; 1960]
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- HOWARD S. DUNBAR, *Clinical Associate Professor of Surgery (Neurosurgery)*. Associate Attending Surgeon (Neurosurgery), New York Hospital. A.B. 1941, M.D. 1944, Cornell. [1949; 1962]
- EDWARD A. DUNLAP III, *Clinical Associate Professor of Surgery (Ophthalmology)*. Associate Attending Surgeon (Ophthalmology), New York Hospital. B.S. 1932, Westminster; M.D. 1935, Western Reserve. [1945; 1960]
- JOHN H. ECKEL, *Clinical Associate Professor of Surgery*. Associate Attending Surgeon, New York Hospital; Visiting Surgeon, Bellevue Hospital. B.S. 1929, New York University; M.D. 1933, Cornell. [1934; 1946]
- GEORGE F. EGAN, *Clinical Associate Professor of Surgery (Dental Surgery)*. Attending Oral Surgeon in Charge (Dentistry), New York Hospital. D.M.D. 1931, Harvard. [1933; 1953]
- WILLIAM J. EISENMENGER, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. B.S. 1937, Fordham; M.D. 1941, Cornell. [1955; 1967]
- BORJE, E. EJRP, *Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. M.D. 1948, Karolinska Institute (Sweden). [1961; 1964]
- MARY ALLEN ENGLE, *Associate Professor of Pediatrics*. Attending Pediatrician, New York Hospital. A.B. 1942, Baylor; M.D. 1945, Johns Hopkins. [1948; 1959]
- RALPH L. ENGLE, Jr., *Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. B.S. 1942, University of Florida; M.D. 1945, Johns Hopkins. [1949; 1957]
- NATHAN EPSTEIN, *Clinical Associate Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. B.S. 1922, M.I.T.; Ph.D. 1928, Columbia; M.D. 1934, Munich. [1946; 1961]
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- FREDERIC F. FLACH, *Clinical Associate Professor of Psychiatry*. Associate Attending Psychiatrist, New York Hospital. A.B. 1947, St. Peter's; M.D. 1951, Cornell. [1954; 1962]
- WILLIAM T. FOLEY, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. A.B. 1933, Columbia; M.D. 1937, Cornell. [1946; 1959]
- JOSEPH G. FORTNER, *Clinical Associate Professor of Surgery*. Assistant Attending Surgeon, Memorial Hospital. B.S. 1944, M.D. 1945, Illinois. [1955; 1964]
- JOHN E. FRANKLIN, *Clinical Associate Professor of Pediatrics*. Associate Attending Pediatrician, New York Hospital; Associate Attending Pediatrician, Memorial Hospital. B.S. 1928, Notre Dame; M.D. 1932, Harvard. [1947; 1959]
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- ROBERT H. FREIBERGER, *Clinical Associate Professor of Radiology*. Associate Attending Radiologist, New York Hospital; Director, Department of Radiology, Hospital for Special Surgery. M.D. 1949, Tufts. [1955; 1963]
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- WILLIAM GELLER, *Clinical Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital; Assistant Attending Physician, Memorial Hospital. A.B. 1943, M.D. 1946, Boston University. [1956; 1964]

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- HELENA GILDER, *Associate Professor of Biochemistry in Surgery; Assistant Professor of Biochemistry*. A.B. 1935, Vassar; M.D. 1940, Cornell. [1947; 1963]
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- HENRY P. GOLDBERG, *Clinical Associate Professor of Pediatrics*. Associate Attending Pediatrician, New York Hospital; Associate Attending Pediatrician, Hospital for Special Surgery. A.B. 1932, M.D. 1936, Johns Hopkins. [1946; 1960]
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- JACK P. GREEN, *Associate Professor of Pharmacology*. B.S. 1947, M.S. 1949, Pennsylvania State University; Ph.D. 1951, M.D. 1957, Yale. [1966]
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- GERALD H. KLINGON**, *Clinical Associate Professor of Neurology in Medicine*. Associate Attending Physician, Memorial Hospital. A.B. 1942, Columbia; M.D. 1945, Cornell. [1953; 1962]
- RICHARD N. KOHL**, *Associate Professor of Psychiatry*. Attending Psychiatrist, New York Hospital. A.B. 1938, M.D. 1942, University of Cincinnati. [1945; 1959]
- LEONHARD KORNGOLD**, *Associate Professor of Microbiology in Surgery (Orthopedics)*. B.A. 1947, Brooklyn; M.Sc. 1948, Ph.D. 1950, Ohio State University. [1961; 1962]
- HERBERT KOTEEN**, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. B.A. 1935, Wisconsin; M.D. 1939, Johns Hopkins. [1943; 1967]
- JOHN S. LADUE**, *Clinical Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital; Associate Attending Physician, Memorial Hospital. B.S. 1932, M.S. 1940, Ph.D. 1941, Minnesota; M.D. 1936, Harvard. [1948; 1957]
- ROBERT LANDESMAN**, *Clinical Associate Professor of Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. A.B. 1936, Columbia; M.D. 1939, Cornell. [1949; 1958]
- PHILIP LANZKOWSKY**, *Associate Professor of Pediatrics*. Associate Attending Pediatrician, New York Hospital. M.B., Ch.B. 1954, M.D. 1959, University of Capetown; D.C.H. 1960, M.R.C.P. 1961, Royal College of Physicians and Surgeons. [1965; 1967]

- RICHARD E. LEE, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. B.S. 1939, Massachusetts; M.A. 1940, Ph.D. 1942, Harvard; M.D. 1947, Columbia. [1950; 1967]
- EDWARD Y. LIANG, *Clinical Associate Professor of Psychiatry*. Associate Attending Psychiatrist, New York Hospital. B.S. 1952, George Washington; M.D. 1956, Harvard. [1963; 1967]
- CHARLES S. LIEBER, *Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. M.D. 1955, University of Brussels. [1963]
- FREDERICK L. LIEBOLT, *Clinical Associate Professor of Surgery (Orthopedics)*. Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. A.B. 1925, LL.D. 1948, Arkansas; M.D. 1930, Washington University; ScD., 1937, Columbia. [1939; 1946]
- ROBERT M. LINTZ, *Clinical Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital; Attending Physician, Hospital for Special Surgery; Associate Visiting Physician, Bellevue Hospital. A.B. 1924, M.D. 1927, Cornell. [1932; 1961]
- MACK LIPKIN, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. B.S. 1926, C.C.N.Y.; M.D. 1930, Cornell. [1963; 1964]
- MARTIN LIPKIN, *Associate Professor of Medicine*. Associate Visiting Physician, Bellevue Hospital. A.B. 1946, M.D. 1950, New York University. [1955; 1963]
- EDWARD J. LORENZE, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. M.D. 1946, New York University. [1953; 1967]
- DONALD B. LOURIA, *Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. B.S. 1949, M.D. 1953, Harvard. [1954; 1964]
- DANIEL S. LUKAS, *Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. A.B. 1944, M.D. 1947, Columbia. [1948; 1957]
- JOHN MACLEOD, *Associate Professor of Anatomy*. A.B. 1934, M.Sc. 1937, New York University; Ph.D. 1941, Cornell. [1941; 1949]
- HENRY MANNIX, Jr., *Clinical Associate Professor of Surgery*. Associate Attending Surgeon, New York Hospital. B.S. 1947, Holy Cross; M.D. 1950, Cornell. [1951; 1965]
- BENJAMIN E. MARBURY, *Clinical Associate Professor of Anesthesiology*. Attending Anesthesiologist, New York Hospital. A.B. 1939, B.S. 1942, Missouri; M.S. 1941, Louisiana State; M.D. 1944, Washington University. [1948; 1957]
- AARON JACOB MARCUS, *Associate Professor of Medicine*. Associate Visiting Physician, Bellevue Hospital. B.A. 1948, Virginia; M.D. 1953, New York Medical College. [1958; 1967]
- STEWART L. MARCUS, *Associate Professor of Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. A.B. 1951, Syracuse; M.D. 1954, State University of New York, Syracuse. [1961; 1967]
- JAMES F. MASTERSON, Jr., *Clinical Associate Professor of Psychiatry*. Associate Attending Psychiatrist, New York Hospital. M.D. 1951, Jefferson Medical College. [1953; 1965]
- ROBERT S. McCULLY, *Associate Professor of Psychology in Psychiatry*. A.B. 1947, M.A. 1948, Washington University; Ph.D. 1961, Columbia. [1956; 1966]
- ELLEN McDEVITT, *Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. A.B. 1930, Mississippi State College for Women; M.D. 1949, Utah. [1951; 1963]
- ROBERT W. McDEVITT, *Associate Professor of Pathology*. Associate Attending Pathologist, New York Hospital; Assistant Attending Pathologist, Memorial Hospital. A.B. 1952, Harvard; M.D. 1956, Yale. [1967]
- FLETCHER H. McDOWELL, *Associate Professor of Neurology in Medicine*. Associate Attending Neurologist, New York Hospital; Consulting Associate Neurologist, Memorial Hospital. A.B. 1944, Dartmouth; M.D. 1947, Cornell. [1952; 1961]
- JOHN H. McGOVERN, *Clinical Associate Professor of Surgery (Urology)*. Associate Attending Surgeon (Urology), New York Hospital. B.S. 1947, Columbia; M.D. 1952, State University College of Medicine, New York City. [1954; 1964]
- THOMAS H. MEIKLE, Jr., *Associate Professor of Anatomy; Associate Professor of Neuroanatomy in Psychiatry*. A.B. 1951, M.D. 1954, Cornell. [1961; 1966]

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- ROBERT H. MELCHIONNA, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. B.S. 1929, St. John's University; M.D. 1925, St. Louis University. [1939; 1964]
- THEODORE R. MILLER, *Clinical Associate Professor of Surgery*. Associate Attending Surgeon, Memorial Hospital. M.D. 1933, Temple. [1952; 1965]
- LAURENCE MISCALL, *Clinical Associate Professor of Surgery*. A.B. 1926, M.D. 1930, Cornell. [1942; 1967]
- GEORGE E. MURPHY, *Associate Professor of Pathology*. Associate Attending Pathologist, New York Hospital. A.B. 1939, Kansas; M.D. 1943, Pennsylvania. [1953; 1954]
- M. LOIS MURPHY, *Associate Professor of Pediatrics*. Associate Attending Pediatrician, Memorial Hospital. A.B. 1939, M.D. 1944, Nebraska. [1952; 1960]
- W. P. LAIRD MYERS, *Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital; Attending Physician, Memorial Hospital; Assistant Visiting Physician, Bellevue Hospital. B.S. 1943, Yale; M.D. 1945, Columbia; M.S. (Med.) 1952, Minnesota. [1953; 1959]
- BERTRAND L. NEW, *Clinical Associate Professor of Psychiatry; Clinical Associate Professor of Psychiatry in Pediatrics*. Associate Attending Psychiatrist, Assistant Attending Pediatrician, New York Hospital. B.A. 1950, Cornell; M.D. 1954, Pennsylvania. [1966; 1967]
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- WILLIAM F. NICKEL, JR., *Clinical Associate Professor of Surgery*. Attending Surgeon, New York Hospital. A.B. 1930, M.D. 1934, Johns Hopkins. [1935; 1950]
- WILLIAM M. O'LEARY, *Associate Professor of Microbiology*. B.S. 1952, M.S. 1953, Ph.D. 1957, University of Pittsburgh. [1959; 1965]
- THEODORE W. OPPEL, *Clinical Associate Professor of Medicine*. Attending Physician, New York Hospital. A.B. 1926, M.A. 1927, Wisconsin; M.D. 1929, Pennsylvania. [1932; 1951]
- HERBERT PARSONS, *Clinical Associate Professor of Surgery (Neurosurgery)*. Associate Attending Surgeon (Neurosurgery), New York Hospital; Consulting Associate Neurosurgeon, Memorial Hospital; A.B. 1931, Yale; M.D. 1935, Harvard. [1938; 1954]
- MARY ANN PAYNE, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. A.B. 1935, Hood; M.A. 1941, Ph.D. 1943, Wisconsin; M.D. 1945, Cornell. [1946; 1959]
- RALPH E. PETERSON, *Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. B.S. 1940, M.S. 1941, Kansas State; M.D. 1946, Columbia. [1958]
- AARON S. POSNER, *Associate Professor of Ultrastructural Biochemistry*. B.S. 1941, Rutgers; M.S. 1949, Polytechnic Institute of Brooklyn; Ph.D. 1954, University of Liege. [1963]
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- ALFRED M. PRINCE, *Clinical Associate Professor of Pathology*. Associate Attending Pathologist, New York Hospital. A.B. 1949, Yale; M.A. 1951, Columbia; M.D. 1955, Western Reserve. [1966]
- R. A. REES PRITCHETT, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. A.B. 1944, Houghton College; M.D. 1948, Cornell. [1952; 1962]
- LEON L. RACKOW, *Clinical Associate Professor of Psychiatry*. B.S. 1932, Pennsylvania State; M.D. 1936, University of Edinburgh. [1950; 1962]
- S. FRANK REDO, *Clinical Associate Professor of Surgery; Clinical Associate Professor of Pediatrics (Surgery)*. Associate Attending Surgeon, New York Hospital. B.S. 1942, Queens College; M.D. 1950, Cornell. [1951; 1967]
- DONALD J. REIS, *Associate Professor of Neurology in Medicine*. Associate Attending Neurologist, New York Hospital. A.B. 1953; M.D. 1956, Cornell. [1963; 1967]

- JOHN C. RIBBLE, *Associate Professor of Pediatrics*. Associate Attending Pediatrician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. M.D. 1955, Texas. [1959; 1966]
- GOETZ W. RICHTER, *Associate Professor of Pathology*. Associate Attending Pathologist, New York Hospital. A.B. 1943, Williams; M.D. 1948, Johns Hopkins. [1948; 1958]
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- WILLIAMS C. ROBBINS, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Associate Attending Physician, Hospital for Special Surgery. A.B. 1942, Columbia; M.D. 1945, Cornell. [1948; 1963]
- THOMAS N. ROBERTS, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. B.S. 1946, South Dakota; M.D. 1948, Harvard. [1949; 1966]
- BERNARD ROGOFF, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. B.S. 1932, New York University; M.D. 1936, University of Geneva. [1955; 1966]
- DAVID M. ROSEMAN, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. B.A. 1947, M.D. 1951, Johns Hopkins. [1952; 1966]
- LEONARD ROSS, *Associate Professor of Anatomy*. A.B. 1946, M.S. 1949, Ph.D. 1954, New York University. [1957; 1961]
- SIDNEY ROTHBARD, *Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital; Associate Attending Physician, Hospital for Special Surgery. A.B. 1931, Colgate; M.D. 1935, Rochester. [1951]
- ALBERT L. RUBIN, *Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital; Assistant Attending Physician, Memorial Hospital. M.D. 1950, Cornell. [1951; 1959]
- RICHARD A. RUSKIN, *Clinical Associate Professor of Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. B.A. 1940, M.D. 1943, Duke. [1952; 1967]
- PAUL D. SAVILLE, *Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. M.B., B.S. 1949, St. George's Hospital Medical College, London. [1959; 1967]
- BRIJ SAXENA, *Associate Professor of Biochemistry in Medicine*. Ph.D. 1954, University of Lucknow, India; Dr.rer.nat. 1957, University of Muenster, West Germany; Ph.D. 1961, Wisconsin. [1966]
- GEORGE SCHAEFER, *Clinical Associate Professor of Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. B.S. 1933, New York University; M.D. 1937, Cornell. [1951; 1958]
- LAWRENCE SCHERR, *Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. A.B. 1950, M.D. 1957, Cornell. [1958; 1966]
- JEROME L. SCHULMAN, *Associate Professor of Public Health*. A.B. 1948, Brown; M.D. 1952, New York University. [1957; 1967]
- ARTHUR W. SELIGMANN, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. A.B. 1933, Columbia; M.D. 1937, Cornell. [1961; 1967]
- JOHN F. SEYBOLT, *Clinical Associate Professor of Pathology*. Associate Attending Pathologist, New York Hospital. B.S. 1938, Yale; M.D. 1943, Cornell. [1947; 1963]
- ARTHUR K. SHAPIRO, *Clinical Associate Professor of Psychiatry*. Associate Attending Psychiatrist, New York Hospital. B.S.S. 1951, C.C.N.Y.; M.D. 1955, Chicago. [1966]
- PAUL SHERLOCK, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. B.S. 1950, Queens; M.D. 1954, Cornell. [1957; 1967]
- ALBERT C. SHERWIN, *Clinical Associate Professor of Psychiatry*. Associate Attending Psychiatrist, New York Hospital. A.B. 1942, M.D. 1947, Columbia. [1950, 1964]
- MAURICE SHILS, *Associate Professor of Medicine*. B.A. 1937, Sc.D. 1940, Johns Hopkins; M.D. 1958, New York University. [1962; 1967]

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- RICHARD T. SILVER, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. A.B. 1950, M.D. 1953, Cornell. [1956; 1967]
- DONALD J. SIMONS, *Clinical Associate Professor of Neurology in Medicine*. Associate Attending Neurologist, New York Hospital; Associate Visiting Physician, Bellevue Hospital. A.B. 1927, Brown; M.D. 1931, Harvard. [1939; 1948]
- JULIO L. SIRLIN, *Associate Professor of Anatomy*. D.Sc. 1953, University of Buenos Aires, Argentina. [1967]
- PAUL A. SKUDDER, *Clinical Associate Professor of Surgery*. Associate Attending Surgeon, New York Hospital. B.A. 1949, Middlebury; M.D. 1953, Cornell. [1958; 1967]
- CYRIL SOLOMON, *Clinical Associate Professor of Pathology in Medicine*. B.S. 1932, M.D. 1936, Maryland. [1965; 1967]
- MARTIN SONENBERG, *Associate Professor of Medicine*. Associate Attending Physician, Memorial Hospital. B.S. 1941, Pennsylvania; M.D. 1944, Ph.D. 1952, New York University. [1950; 1957]
- CHESTER M. SOUTHAM, *Associate Professor of Medicine*. Associate Attending Physician, Memorial Hospital. B.S. 1941, M.S. 1943, Idaho; M.D. 1947, Columbia. [1951; 1958]
- HERMAN STEINBERG, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. A.B. 1941, Columbia; M.D. 1945, Albany. [1952; 1967]
- MAXWELL STILLERMAN, *Clinical Associate Professor of Pediatrics*. Associate Attending Pediatrician, New York Hospital. M.D. 1932, Long Island College of Medicine. [1948; 1962]
- PETER E. STOKES, *Associate Professor of Medicine in Psychiatry; Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. B.S. 1948, Trinity College; M.D. 1952, Cornell. [1953; 1967]
- RICHARD W. STONE, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. B.A. 1943, M.D. 1945, Wisconsin. [1957; 1966]
- WILLIAM D. STUBENBORD, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Consulting Physician, Westchester Division, New York Hospital. B.S. 1927, Wesleyan; M.D. 1931, Cornell. [1932; 1966]
- WILLIAM J. SWEENEY, *Clinical Associate Professor of Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. A.B. 1942, Maryville College; M.D. 1949, Cornell. [1950; 1960]
- BJORN THORBJARNARSON, *Clinical Associate Professor of Surgery*. Associate Attending Surgeon, New York Hospital. M.D. 1947, University of Iceland. [1949; 1963]
- ALPHONSE E. TIMPANELLI, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. A.B. 1932, Columbia; M.D. 1936, Cornell. [1938; 1953]
- MARJORIE J. TOPKINS, *Clinical Associate Professor of Anesthesiology*. Associate Attending Anesthesiologist, New York Hospital. A.B. 1946, Cornell; M.D. 1950, Vermont. [1954; 1964]
- RICHARD M. TORACK, *Associate Professor of Pathology*. Associate Attending Pathologist, New York Hospital. B.S. 1948, Seton Hall; M.D. 1952, Georgetown. [1962; 1965]
- PARKER VANAMEE, *Associate Professor of Medicine*. Associate Attending Physician, Memorial Hospital. B.S. 1942, Yale; M.D. 1945, Cornell. [1955; 1961]
- ALAN VAN POZNAK, *Clinical Associate Professor of Anesthesiology; Clinical Assistant Professor of Pharmacology*. Associate Attending Anesthesiologist, New York Hospital. A.B. 1948, M.D. 1952, Cornell. [1955; 1967]
- GEORGE E. WANTZ, *Clinical Associate Professor of Surgery*. Attending Surgeon, New York Hospital. M.D. 1946, University of Michigan. [1950; 1961]
- NATHANIEL WARNER, *Clinical Associate Professor of Psychiatry*. Associate Attending Psychiatrist, New York Hospital. B.A. 1930, M.B.A. 1932, Harvard; M.A. 1934, M.D. 1940, Columbia. [1946; 1967]
- ELLIOTT L. WEITZMAN, *Clinical Associate Professor of Psychiatry*. Associate

- Attending Psychiatrist, New York Hospital. B.A. 1943, Johns Hopkins; M.D. 1946, Maryland. [1964]
- LIVINGSTON WELCH, *Associate Professor of Psychology in Psychiatry*. A.B. 1931, M.A. 1932, Ph.D. 1935, Columbia. [1947; 1952]
- JOHN P. WEST, *Clinical Associate Professor of Surgery*. Associate Attending Surgeon, New York Hospital. B.S. 1927, Alabama Polytechnic Institute; M.D. 1932, Cornell. [1938; 1954]
- BYARD WILLIAMS, *Clinical Associate Professor of Medicine*. Associate Attending Physician, New York Hospital; Attending Physician, New York Hospital, Westchester Division; Visiting Physician, Bellevue Hospital. A.B. 1926, Williams; M.D. 1930, Columbia. [1933; 1953]
- PHILIP D. WILSON, JR., *Clinical Associate Professor of Surgery (Orthopedics)*. Consultant in Surgery (Orthopedics), New York Hospital; Associate Attending Orthopedic Surgeon, Hospital for Special Surgery. M.D. 1944, Columbia. [1951; 1961]
- ERICH H. WINDHAGER, *Associate Professor of Physiology*. M.D. 1954, University of Vienna. [1958; 1966]
- FELIX WROBLEWSKI, *Clinical Associate Professor of Medicine*. Associate Attending Physician, Memorial Hospital. A.B. 1942, M.D. 1945, New York University. [1954; 1961]

ASSISTANT PROFESSORS

- ROBERT R. ABEL, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. A.B. 1952, Princeton; M.D. 1956, Cornell. [1957; 1967]
- SEYMOUR ADVOCATE, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. B.A. 1937, Brooklyn College; M.A. 1938, Illinois; M.D. 1950, Washington. [1953; 1963]
- INA R. ALTMAN, *Assistant Professor of Radiology*. B.S. 1956, Brooklyn; M.D. 1960, Women's Medical College, Philadelphia. [1965; 1967]
- HARLAN C. AMSTUTZ, *Clinical Assistant Professor of Surgery (Orthopedics)*. Assistant Attending Surgeon (Orthopedics), New York Hospital; Assistant Attending Orthopedic Surgeon, Hospital for Special Surgery. B.A. 1952, M.D. 1956, U.C.L.A. [1964; 1967]
- ARTHUR A. ANDERSON, JR., *Clinical Assistant Professor of Psychiatry*. B.S. 1949, M.D. 1954, University of Washington (Seattle). [1955; 1967]
- ANTHONY ANTOVILLE, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. B.A. 1926, M.D. 1929, Cornell. [1933; 1964]
- LUCIEN I. ARDITI, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. B.S. 1950, Louisiana State University; M.D. 1954, Washington University. [1955; 1965]
- GEORGE C. ARMISTEAD, JR., *Clinical Assistant Professor of Medicine*. Associate Attending Physician, New York Hospital. B.S. 1938, M.D. 1941, University of Virginia. [1948; 1962]
- DONALD ARMSTRONG, *Assistant Professor of Medicine*. B.A. 1953, Lehigh; M.D. 1957, Columbia. [1959; 1965]
- WILLIAM DAVID ARNOLD, *Clinical Assistant Professor of Surgery (Orthopedics)*. Assistant Attending Surgeon (Orthopedics), New York Hospital; Assistant Attending Orthopedic Surgeon, Hospital for Special Surgery. B.A. 1945, Colgate; M.D. 1948, Cornell. [1958; 1965]
- JASON ARONSON, *Clinical Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. B.A. 1949, B.S. 1950, M.D. 1953, Minnesota. [1965]
- BARBARA S. ASHE, *Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. A.B. 1947, Wellesley; M.D. 1951, New York University. [1951; 1959]
- SULAMITA BALAGURA, *Assistant Professor of Physiology*. M.D. 1959, University del Valle (Colombia). [1962; 1965]
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- EDMUND A. BASHKIN, *Clinical Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. B.A. 1951, Chicago; M.D. 1957, New York University. [1965; 1967]
- RICHARD R. BASS, *Clinical Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. A.B. 1946, Cornell; M.D. 1949, New York Medical College. [1956; 1962]
- CURTIS H. BAYLOR, *Clinical Assistant Professor of Medicine*. Associate Visiting Physician, Bellevue Hospital. B.S. 1929, Emory and Henry College; M.D. 1935, Johns Hopkins. [1954; 1955]
- WILLIAM T. BEAVER, *Assistant Professor of Pharmacology*. Clinical Assistant Physician, Memorial Hospital. M.D. 1958, Cornell. [1961; 1966]
- CARL G. BECKER, *Assistant Professor of Pathology*. Assistant Attending Pathologist, New York Hospital. B.S. 1957, Yale; M.D. 1961, Cornell. [1962; 1966]
- STANLEY J. BEHRMAN, *Clinical Assistant Professor of Surgery (Dental Surgery)*. Attending Oral Surgeon (Dentistry), New York Hospital. A.B. 1942, New York University; D.D.S. 1945, Pittsburgh. [1948; 1953]
- CARL G. BELING, *Assistant Professor of Endocrinology in Obstetrics and Gynecology*. M.D. 1957, Karolinska Institute (Sweden). [1965; 1966]
- FRANCIS A. BENEVENTI, *Clinical Assistant Professor of Surgery (Urology)*. Assistant Attending Surgeon (Urology), New York Hospital. M.D. 1930, Long Island College of Medicine. [1949; 1958]
- BRY BENJAMIN, *Clinical Assistant Professor of Medicine*. B.S. 1945, Yale; M.D. 1947, Harvard. [1954; 1964]
- RICHARD M. BERGLAND, *Assistant Professor of Surgery (Neurosurgery)*. B.S. 1954, Wheaton; M.D. 1958, Cornell. [1962; 1967]
- CARL A. BERTSEN, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital; Associate Attending Physician, Hospital for Special Surgery. A.B. 1942, California; M.D. 1945, Johns Hopkins. [1948; 1962]
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- OTTO E. BILLO, *Clinical Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. A.B. 1930, Williams; M.D. 1935, Harvard. [1947; 1954]
- ROBERT T. BINFORD, JR., *Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. B.A. 1951, Vanderbilt; D.M.D. 1955, M.S. 1959, Alabama; M.D. 1963, Cornell. [1965; 1967]
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- ROBERT J. BOOHER, *Clinical Assistant Professor of Surgery*. Associate Attending Surgeon, Memorial Hospital. A.B. 1934, M.D. 1938, Creighton University. [1954; 1956]
- LEMUEL BOWDEN, *Clinical Assistant Professor of Surgery*. Associate Attending Surgeon, Memorial Hospital. A.B. 1936, M.D. 1939, Harvard. [1961; 1965]
- C. PAUL BOYAN, *Clinical Assistant Professor of Anesthesiology*. Associate Attending Anesthesiologist, Memorial Hospital. M.D. 1941, State University, Sofia; D.D.S. 1947, University of Graz, Austria. [1954; 1957]
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- RICHARD D. BRASFIELD, *Clinical Assistant Professor of Surgery*. Associate Attending Surgeon, Memorial Hospital. A.B. 1942, M.D. 1944, Vanderbilt. [1953; 1966]
- PAUL W. BRAUNSTEIN, *Clinical Assistant Professor of Surgery*. Assistant Attending Surgeon, New York Hospital. B.S. 1945, Holy Cross; M.D. 1947, Harvard. [1948; 1957]

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- ALFRED BROCKUNIER, *Clinical Assistant Professor of Obstetrics and Gynecology*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. B.S. 1945, Franklin and Marshall; M.D. 1947, Jefferson. [1957; 1962]
- KEEVE BRODMAN, *Clinical Assistant Professor of Medicine*. B.S. 1927, C.C.N.Y.; M.D. 1931, Cornell. [1938; 1950]
- JOHN L. BROWN, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. A.B. 1952, M.D. 1955, Cornell. [1958; 1965]
- STUART I. BROWN, *Clinical Assistant Professor of Surgery (Ophthalmology)*. Assistant Attending Surgeon (Ophthalmology), New York Hospital. B.S.M. 1955, M.D. 1957, Illinois. [1966]
- VERONICA BROWN, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. A.B. 1925, Cornell; M.A. 1926, Columbia; M.D. 1934, Cornell. [1935; 1964]
- ALBERT N. BROWNE-MAYERS, *Clinical Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. B.A. 1933, Wisconsin; M.D. 1937, Columbia. [1949; 1967]
- EDWARD A. BURKHARDT, Jr., *Clinical Assistant Professor of Medicine*. Visiting Physician, Bellevue Hospital. B.A. 1925, M.A. 1926, Missouri; M.D. 1928, Harvard. [1932; 1964]
- HECTOR M. CABOT, *Assistant Professor of Physiology in Obstetrics and Gynecology*. Provisional Obstetrician and Gynecologist, New York Hospital. B.S. 1947, M.D. 1966, Ministry of Public Education, University of Montevideo, Uruguay. [1967]
- DONALD J. CAMERON, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. B.A. 1951, Amherst; M.D. 1955, Cornell. [1958; 1965]
- SUSAN T. CARVER, *Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. A.B. 1952, Swarthmore; M.D. 1956, Columbia. [1960; 1963]
- DANIEL CATLIN, *Clinical Assistant Professor of Surgery*. Associate Attending Surgeon, Memorial Hospital. A.B. 1932, Yale; M.D. 1936, Harvard. [1955; 1963]
- WALTER W. Y. CHAN, *Assistant Professor of Pharmacology*. B.A. 1956, Wisconsin; Ph.D. 1961, Columbia. [1960; 1966]
- FLORENCE CHIEN-HWA CHU, *Clinical Assistant Professor of Radiology*. Assistant Attending Radiation Therapist, Memorial Hospital. M.D. 1942, National Medical College of Shanghai. [1956]
- KUO YORK CHYNN, *Assistant Professor of Radiology*. Assistant Attending Radiologist, New York Hospital. M.S. 1954, St. Louis University; M.D. 1949, National Tung Chi University. [1958]
- HUGH E. CLAREMONT, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. M.B.B.S. 1944, M.D. 1951, University of London; M.S. 1958, Colorado. [1958; 1966]
- DONALD G. C. CLARK, *Clinical Assistant Professor of Surgery*. Department of Surgery, Memorial Hospital. B.Sc. 1940, M.B., Ch.B. 1944, St. Andrews University, Scotland; M.D. 1945, Yale. [1951; 1967]
- MELVA A. CLARK, *Clinical Assistant Professor of Medicine*. Clinical Assistant Visiting Physician, Bellevue Hospital. A.B. 1935, Wellesley; M.D. 1939, Cornell. [1952; 1967]
- BAYARD D. CLARKSON, *Assistant Professor of Medicine*. Assistant Visiting Physician, Bellevue Hospital. B.A. 1948, Yale; M.D. 1952, Columbia. [1958; 1962]
- M. DAVID CLAYSON, *Assistant Professor of Psychology in Psychiatry*. B.S. 1956, Utah; A.M. 1960, George Washington University; Ph.D. 1963, Washington University. [1963; 1966]
- MARGARET H. S. CLEMENTS, *Assistant Professor of Pathology*. Assistant Attending Pathologist, New York Hospital. B.A. 1951, M.B., B.Ch., B.A.O. 1956, Dublin University, Ireland. [1966; 1967]
- IRA B. COHEN, *Clinical Assistant Professor of Medicine*. Assistant Visiting Physician, Bellevue Hospital. A.B. 1941, M.D. 1945, New York University. [1967]
- JOHN T. COLE, *Clinical Assistant Professor of Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. A.B. 1936, Duke; M.D. 1940, Maryland. [1952; 1954]

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- GEORGE N. CORNELL, *Clinical Assistant Professor of Surgery*. Assistant Attending Surgeon, New York Hospital. M.D. 1950, Cornell. [1951; 1958]
- DENTON S. COX, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. B.S. 1948, Yale; M.D. 1952, Columbia. [1953; 1965]
- JEAN A. CRAMER, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. B.A. 1947, Barnard; M.D. 1950, Cornell. [1951; 1967]
- DAVID B. CRAWFORD, JR., *Clinical Assistant Professor of Obstetrics and Gynecology*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. B.S. 1943, North Carolina; M.D. 1946, New York University. [1953; 1962]
- F. MITCHELL CUMMINS, *Clinical Assistant Professor of Radiology*. Assistant Attending Radiologist, New York Hospital. B.S. 1942, Harvard; M.D. 1945, Columbia. [1951; 1960]
- MARION DAVIS, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. B.S. 1942, Wyoming; M.D. 1946, University of Rochester. [1951; 1965]
- MILTON S. DAVIS, *Assistant Professor of Sociology in Medicine*. A.B. 1958, Boston University; M.S. 1961, Ph.D. 1962, Purdue; M.P.H. 1962, Harvard. [1962; 1965]
- ELEANOR E. DESCHNER, *Assistant Professor of Radiology*. B.A. 1949, Notre Dame; M.S. 1951, Ph.D. 1954, Fordham. [1960; 1963]
- MONROE T. DIAMOND, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. B.S. 1938, Yale; M.D. 1942, Virginia. [1944; 1965]
- ROBERT W. DICKERMAN, *Assistant Professor of Microbiology*. B.S. 1951, Cornell; M.A. 1953, Arizona; Ph.D. 1961, Minnesota. [1962; 1965]
- CAROLYN H. DIEHL, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. A.B. 1946, M.D. 1950, Cornell. [1952; 1966]
- JOHN H. DOHERTY, *Assistant Professor of Surgery (Orthopedics)*. Assistant Attending Surgeon (Orthopedics), New York Hospital; Assistant Attending Orthopedic Surgeon, Hospital for Special Surgery. B.A. 1945, Holy Cross; M.D. 1949, New York Medical College. [1958; 1963]
- JOSEPH C. DOUGHERTY, *Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Clinical Assistant Visiting Physician, Bellevue Hospital. B.S. 1956, Manhattan; M.D. 1960, Cornell. [1964; 1967]
- J. EDWIN DREW, *Clinical Assistant Professor of Surgery (Urology)*. Assistant Attending Surgeon (Urology), New York Hospital. B.S. 1930, Georgetown; M.D. 1934, Columbia. [1942; 1958]
- EDWARD D. EANES, *Assistant Professor of Physical Chemistry in Surgery (Orthopedics)*. B.S. 1957, William and Mary; M.A. 1959, Ph.D. 1961, Johns Hopkins. [1963]
- ROBERT E. ECKHARDT, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. M.S. 1939, Ph.D. 1940, M.D. 1943, Western Reserve. [1948; 1966]
- HARRISON P. EDDY, *Clinical Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. B.A. 1942, Williams; M.D. 1945, Columbia. [1965]
- KATHRYN H. EHLERS, *Assistant Professor of Pediatrics*. A.B. 1953, Bryn Mawr; M.D. 1957, Cornell. [1959; 1966]
- SIDNEY N. EICHENHOLTZ, *Clinical Assistant Professor of Surgery (Orthopedics)*. Assistant Attending Surgeon (Orthopedics), New York Hospital; Assistant Attending Orthopedic Surgeon, Hospital for Special Surgery. B.S. 1929, Maryland; M.A. 1930, Columbia; M.D. 1934, St. Louis University. [1958; 1963]
- ELIZABETH A. EILERS, *Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. B.A. 1954, Radcliffe; M.D. 1958, Harvard. [1964; 1967]
- HERBERT L. ERLANGER, *Clinical Assistant Professor of Anesthesiology*. Assistant Attending Anesthesiologist, New York Hospital. A.B. 1945, M.D. 1949, Columbia. [1957; 1964]
- HENRY R. ERLE, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. A.B. 1950, M.D. 1954, Cornell. [1954; 1963]
- GEORGE C. ESCHER, *Clinical Assistant Professor of Medicine*. Associate Attending Physician, Memorial Hospital. A.B. 1933, Columbia; M.D. 1937, Long Island College of Medicine. [1952; 1959]
- M. ELAINE EYSTER, *Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. A.B. 1956, M.D. 1960, Duke. [1961; 1967]

- THOMAS J. FAHEY, Jr., *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Assistant Attending Physician, Memorial Hospital. B.A. 1955, Fordham; M.D. 1959, Cornell. [1965; 1967]
- FAROUK F. FARAGALLA, *Assistant Professor of Biochemistry in Psychiatry*. B.V.Sc. 1950, M.D. Vet. 1954, Cairo; S.M. 1960, D.Sc. 1962, Harvard. [1963; 1965]
- HOLLON W. FARR, *Clinical Assistant Professor of Surgery*. Assistant Attending Surgeon, New York Hospital; Assistant Attending Surgeon, Memorial Hospital. B.S. 1939, Yale; M.D. 1942, Harvard. [1952; 1953]
- FLOYD M. FELDMANN, *Assistant Professor of Public Health*. B.A. 1924, Carleton College; M.D. 1930, Minnesota; Ph.D. 1935, Johns Hopkins. [1962]
- COLIN FELL, *Assistant Professor of Physiology*. A.B. 1951, Antioch; M.S. 1953, Ph.D. 1957, Wayne State University. [1962]
- JOHN A. FINKBEINER, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. B.S. 1939, Pittsburgh; M.D. 1942, Western Reserve. [1955; 1956]
- HILLIARD E. FIRSCHEIN, *Assistant Professor of Biochemistry in Surgery*. B.S. 1948, Ohio State University; M.S. 1950, Wisconsin; Ph.D. 1958, Rochester. [1964]
- BERNARD FISHER, *Clinical Assistant Professor of Psychology in Psychiatry*. B.S. 1948, Long Island University; M.A. 1950, Ph.D. 1953, New York University. [1965]
- RICHARD J. FLEMING, *Assistant Professor of Radiology*. Associate Attending Radiologist, New York Hospital. B.S. 1952, Boston College; M.D. 1956, Tufts. [1966]
- JOHN T. FLYNN, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. A.B. 1937, Fordham; M.D. 1942, Cornell. [1948; 1964]
- ELIZABETH F. FOCHT, *Assistant Professor of Radiology (Physics)*. Attending Radiation Physicist, New York Hospital; Consulting Associate Physicist, Memorial Hospital. A.B. 1935, Barnard; M.A. 1962, Ph.D. 1964, Columbia. [1947; 1961]
- GERARD FOUNTAIN, *Clinical Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital (Westchester Division). A.B. 1939, M.D. 1943, Yale. [1958; 1966]
- WALTER FREEDMAN, *Clinical Assistant Professor of Obstetrics and Gynecology*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. A.B. 1950, De Pauw; M.D. 1954, Cornell. [1960; 1965]
- NICHOLAS FREYDBERG, *Clinical Assistant Professor of Psychology in Psychiatry*. B.S. 1927, Pennsylvania; Ph.D. 1963, New York University. [1963; 1967]
- LIONEL O. FRIEDMAN, *Clinical Assistant Professor of Psychiatry*. B.A. 1952, New York University; M.D. 1956, State University of New York, New York City. [1967]
- EUGENE D. FURTH, *Assistant Professor of Medicine; Assistant Professor of Radiology*. Assistant Attending Physician, Assistant Attending Radiologist, New York Hospital. A.B. 1950, Wesleyan; M.D. 1954, Cornell. [1957; 1963]
- HORTENSE M. GANDY, *Assistant Professor of Endocrinology in Obstetrics and Gynecology*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. B.S. 1943, Westchester State College; M.S. 1948, Pennsylvania; M.D. 1951, Howard. [1959; 1966]
- HORACE T. GARDNER, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. B.A. 1935, University of New Mexico; M.D. 1941, Yale. [1960]
- MARTIN GARDY, *Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. B.S. 1956, C.C.N.Y.; M.D. 1960, Cornell. [1963; 1966]
- HAROLD GENVERT, *Clinical Assistant Professor of Surgery*. Assistant Attending Surgeon, New York Hospital. D.D.S. 1932, Pennsylvania; M.D. 1936, Yale. [1937; 1950]
- MARVIN J. GERSH, *Clinical Assistant Professor of Pediatrics*. B.A. 1941, Alfred University; M.D. 1945, New York University. [1951; 1960]
- MICHAEL D. GERSHON, *Assistant Professor of Anatomy*. B.A. 1958, M.D. 1963, Cornell. [1964; 1966]
- DAVID L. GLOBUS, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. A.B. 1951, M.D. 1954, Washington University. [1958; 1966]
- MYRON L. GLUCKSMAN, *Clinical Assistant Professor of Psychiatry*. M.D. 1959, Wisconsin. [1960; 1967]

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- MARTIN J. GLYNN, *Clinical Assistant Professor of Pediatrics*. Associate Attending Pediatrician, New York Hospital. A.B. 1931, Fordham; M.D. 1935, Long Island College of Medicine. [1939; 1946]
- ROBERT B. GOLBEY, *Clinical Assistant Professor of Medicine*. B.S. 1943, Bethany; M.D. 1949, New York University. [1961]
- HARRY S. GOLDSMITH, *Assistant Professor of Surgery*. Department of Surgery, Memorial Hospital. A.B. 1952, Dartmouth; M.D. 1956, Boston University. [1963; 1967]
- JULIUS GOLUBOW, *Assistant Professor of Biochemistry; Assistant Professor of Biochemistry in Pediatrics*. B.S. 1952, C.C.N.Y.; M.S. 1955, Purdue; Ph.D. 1960, Pittsburgh. [1960; 1963]
- STEPHEN GOODYEAR, *Clinical Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. B.A. 1938, Harvard; M.D. 1943, Columbia. [1948; 1965]
- GEORGE W. GORHAM, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. B.A. 1950, Yale; M.D. 1954, Johns Hopkins. [1960; 1964]
- MARY E. W. GOSS, *Assistant Professor of Sociology in Medicine*. B.A. 1947, M.A. 1948, Iowa; Ph.D. 1959, Columbia. [1959; 1962]
- DICRAN GOULIAN, JR., *Clinical Assistant Professor of Surgery (Plastic Surgery)*. Assistant Attending Plastic Surgeon, New York Hospital. A.B. 1948, D.D.S. 1951, Columbia; M.D. 1955, Yale. [1958; 1963]
- HARRY GRABSTALD, *Clinical Assistant Professor of Surgery (Urology)*. Associate Attending Surgeon (Urology), Memorial Hospital. B.S. 1944, M.D. 1945, Southwestern Methodist. [1959; 1963]
- WILLIAM R. GRAFE, JR., *Clinical Assistant Professor of Surgery*. Assistant Attending Surgeon, New York Hospital. A.B. 1951, Harvard; M.D. 1955, New York University. [1956; 1966]
- JOSE L. GRANDA, *Assistant Professor of Biochemistry in Surgery (Orthopedics)*. M.D. 1956, University of Madrid; Ph.D. 1963, University of Maryland. [1966]
- ERNEST GREENBERG, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. B.A. 1949, M.D. 1953, American University, Beirut. [1963]
- AUGUST H. GROESCHEL, *Assistant Professor of Public Health*. Associate Director, New York Hospital. A.B. 1927, Holy Cross College; M.D. 1931, M.S. 1947, Columbia. [1954; 1962]
- MARGARET T. GROSSI, *Clinical Assistant Professor of Pediatrics*. A.B. 1949, Notre Dame College of Staten Island; M.D. 1953, Georgetown. [1956; 1964]
- HERMAN GROSSMAN, *Assistant Professor of Pediatrics (Radiology)*. Assistant Attending Pediatrician, New York Hospital. B.A. 1947, North Carolina; M.A. 1949, Wesleyan; M.D. 1953, Columbia. [1964]
- PETER M. GUIDA, *Assistant Professor of Surgery*. Assistant Attending Surgeon, New York Hospital. B.S. 1949, Long Island University; M.D. 1954, Albany. [1955; 1964]
- KEITH O. GUTHRIE, JR., *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. B.A. 1937, M.D. 1940, Cornell. [1947; 1964]
- THOMAS C. GUTHRIE, *Clinical Assistant Professor of Neurology in Medicine*. Assistant Attending Neurologist, New York Hospital. A.B. 1943, Princeton; M.D. 1947, Columbia. [1954; 1960]
- SUSAN J. HADLEY, *Assistant Professor of Medicine*. Associate Attending Physician, New York Hospital. B.A. 1941, Wisconsin; M.D. 1944, Cornell. [1946; 1952]
- JACK W. C. HAGSTROM, *Assistant Professor of Pathology*. Assistant Attending Pathologist, New York Hospital. A.B. 1955, Amherst; M.D. 1959, Cornell. [1962; 1965]
- JAMES Q. HARALAMBIE, *Clinical Assistant Professor of Pediatrics*. Associate Attending Pediatrician, New York Hospital. A.B. 1931, Oberlin; M.D. 1935, Yale. [1939; 1949]
- THOMAS S. HARPER, *Clinical Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital (Westchester Division). B.S. 1937, California Technological Institute; M.D. 1942, Colorado. [1966]
- RUDY H. HASCHEMEYER, *Assistant Professor of Biochemistry*. B.A. 1952, Carthage College; Ph.D. 1957, Illinois. [1967]

- PETER HATHAWAY, *Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. A.B. 1953, Harvard; M.D. 1960, Albany. [1966]
- LAWRENCE J. HATTERER, *Clinical Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. B.A. 1947, Princeton; M.D. 1949, Columbia. [1952; 1963]
- LEONARD L. HEIMOFF, *Clinical Assistant Professor of Medicine*. A.B. 1934, Alabama; M.D. 1939, Maryland. [1946; 1962]
- THOMAS F. HENLEY, *Clinical Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. B.S. 1936, North Carolina; M.D. 1938, Harvard. [1943; 1966]
- RICHARD HERRMANN, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. A.B. 1951, M.D. 1955, Columbia. [1961; 1965]
- ALEXANDER HERSH, *Clinical Assistant Professor of Surgery (Orthopedics)*. Associate Attending Surgeon (Orthopedics), New York Hospital; Associate Attending Surgeon, Hospital for Special Surgery. B.S. 1930, M.D. 1934, New York University. [1951; 1958]
- NORMAN L. HIGINBOTHAM, *Clinical Assistant Professor of Surgery*. Attending Surgeon, Memorial Hospital. M.D.C.M. 1926, McGill. [1940; 1950]
- BASIL S. HILARIS, *Clinical Assistant Professor of Radiology*. Assistant Attending Radiologist, New York Hospital; Assistant Attending Radiation Therapist, Memorial Hospital. M.D. 1955, University of Athens. [1965; 1966]
- MARGARET W. HILGARTNER, *Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. B.A. 1946, Bryn Mawr; M.A. 1952, M.D. 1955, Duke. [1956; 1967]
- RAYMOND B. HOCHMAN, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. A.B. 1952, Yale; M.D. 1956, Harvard. [1957; 1967]
- MILTON HOLLENBERG, *Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. B.A. 1951, Brooklyn College; M.D. 1955, Cornell. [1963; 1964]
- JAMES M. HOLMAN, *Clinical Assistant Professor of Surgery (Otolaryngology)*. Assistant Attending Surgeon (Otolaryngology), New York Hospital. B.S. 1936, South Carolina; M.D. 1940, Medical College of South Carolina. [1946; 1955]
- SEYMOUR HOPFAN, *Clinical Assistant Professor of Radiology*. Assistant Attending Radiologist, New York Hospital. B.S. 1939, M.D. 1948, Royal College of Edinburgh, Scotland. [1966]
- EUGENE L. HORGER, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. A.B. 1940, M.D. 1943, Duke. [1945; 1959]
- HERBERT I. HOROWITZ, *Clinical Assistant Professor of Medicine*. B.A. 1949, Yale; M.D. 1953, State University College of Medicine, New York City. [1960; 1962]
- DONALD W. HOSKINS, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. B.S. 1953, Queens College; M.D. 1957, Cornell. [1960; 1965]
- S. STEVEN HOTTA, *Assistant Professor of Biochemistry*. A.B. 1950, Ph.D. 1953, California; M.D. 1958, Johns Hopkins. [1961]
- JOHN E. HUGHES, *Clinical Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. B.S. 1935, Seton Hall; M.D. 1939, Georgetown. [1943; 1964]
- GUSTAVUS A. HUMPHREYS, *Clinical Assistant Professor of Surgery (Urology)*. Assistant Attending Surgeon (Urology), New York Hospital. A.B. 1927, Princeton; M.D. 1932, Columbia. [1937; 1946]
- MARTIN D. HYMAN, *Assistant Professor of Sociology in Medicine*. A.B. 1955, Princeton; M.A. 1958, Ph.D. 1964, Columbia. [1965; 1967]
- MARIAN ISAACS, *Assistant Professor of Medicine*. Clinical Assistant Physician, Memorial Hospital. A.B. 1948, M.D. 1951, Colorado. [1961; 1966]
- NORMAN J. ISAACS, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. B.A. 1949, M.A. 1950, New York University; M.D. 1954, New York Medical College. [1959; 1967]
- MYRON S. JACOBS, *Clinical Assistant Professor of Anatomy*. A.B. 1945, Pennsylvania; M.S. 1951, Ph.D. 1955, N.Y.U. [1966]
- JERRY HART JACOBSON, *Clinical Assistant Professor of Surgery (Ophthalmology)*. B.A. 1944, M.D. 1947, New York University. [1955; 1963]

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- PETER T. JANULIS, *Clinical Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. B.A. 1948, M.D. 1951, Cornell. [1955; 1965]
- GEORGE JASPIN, *Clinical Assistant Professor of Radiology*. Associate Attending Radiologist, New York Hospital. B.S. 1932, Columbia; M.D. 1936, Michigan. [1945; 1948]
- BRIAN E. JOHNSON, *Assistant Professor of Physiology in Medicine*. B.Sc. 1958, Ph.D. 1965, University of London. [1965; 1967]
- A. BRADFORD JUDD, *Clinical Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. A.B. 1950, Cornell; M.D. 1954, Harvard. [1967]
- FRANCIS KANE, *Clinical Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. M.D. 1940, University of Buffalo. [1946; 1966]
- ANNA KARA, *Assistant Professor of Medicine (Physical Medicine)*. M.D. 1948, University of Montreal. [1957; 1964]
- MARILYN G. KARMASON, *Clinical Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. A.B. 1949, Barnard; M.D. 1953, Harvard. [1956; 1967]
- J. HARRY KATZ, *Clinical Assistant Professor of Medicine (Dermatology)*. Assistant Attending Physician, New York Hospital. B.A. 1932, Pennsylvania; M.D. 1936, Hahnemann. [1956; 1964]
- JOSEPH T. KAUER, *Clinical Assistant Professor of Surgery*. Assistant Attending Surgeon, New York Hospital. B.S. 1933, New York University; M.D. 1937, Cornell. [1938; 1953]
- AVRAAM T. KAZAN, *Clinical Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital (Westchester Division). B.A. 1934, Princeton; M.D. 1938, Columbia. [1965]
- EDWARD B. C. KEEFER, *Clinical Assistant Professor of Surgery*. Assistant Attending Surgeon, New York Hospital. B.S. 1939, M.D.C.M. 1943, McGill. [1946; 1955]
- LEMOYNE C. KELLY, *Clinical Assistant Professor of Medicine*. A.B. 1924, University of Rochester; M.D. 1929, Cornell. [1935; 1953]
- ANN P. KENT, *Clinical Assistant Professor of Public Health*. A.B. 1930, George Washington University; M.D. 1933, Maryland; M.P.H. 1939, Johns Hopkins. [1950; 1954]
- JOHN G. KEUHNELIAN, *Clinical Assistant Professor of Surgery (Urology)*. Assistant Attending Surgeon, New York Hospital. A.B. 1947, Princeton; M.D. 1951, Pennsylvania. [1955; 1966]
- PAUL JOSEPH KILLORAN, *Assistant Professor of Radiology*. Assistant Attending Radiologist, New York Hospital. B.A. 1950, Harvard; M.D. 1954, Boston. [1962; 1964]
- ANNE C. KIMBALL, *Assistant Professor of Microbiology in Medicine*. B.A. 1929, Montana; Ph.D. 1940, Pennsylvania. [1963; 1964]
- JOHN T. KIMBALL, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. B.A. 1956, Arizona; M.D. 1960, Colorado. [1961; 1967]
- HENRY B. KIRKLAND, *Clinical Assistant Professor of Medicine*. Associate Attending Physician, New York Hospital. A.B. 1924, Princeton; M.D. 1928, Cornell. [1933; 1967]
- SEYMOUR G. KLEBANOFF, *Assistant Professor of Psychology in Psychiatry*. A.B. 1937, Yale; Ph.D. 1947, Northwestern. [1950]
- EDWARD M. KLINE, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. B.S. 1930, Washington and Jefferson; M.D. 1934, Western Reserve. [1966]
- ROBERT C. KNAPP, *Clinical Assistant Professor of Obstetrics and Gynecology*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. A.B. 1949, Columbia; M.D. 1953, State University of New York, Brooklyn. [1958; 1963]
- ROBERT G. KNIGHT, *Clinical Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital (Westchester Division). A.B. 1943, Harvard; M.D. 1947, Cornell. [1965]
- IRWIN H. KRAKOFF, *Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. A.B. 1943, M.D. 1947, Ohio State. [1956; 1958]
- MARGARET M. KUGLER, *Clinical Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. A.B. 1946, St. Joseph's; M.D. 1950, State University College of Medicine, New York City. [1956; 1959]

- LEON KUTNER, *Assistant Professor of Microbiology*. B.A. 1949, Temple; M.S. 1950, Ph.D. 1953, Pennsylvania State University; M.D. 1963, Pennsylvania. [1964]
- HENN KUTT, *Assistant Professor of Medicine*. M.D. 1950, Frankfurt. [1961]
- COSTAS T. LAMBREW, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. A.B. 1953, Wesleyan University; M.D. 1957, Cornell. [1958; 1964]
- CHARLES S. LA MONTE, *Assistant Professor of Medicine*. Clinical Assistant Physician, Memorial Hospital. A.B. 1956, M.D. 1960, Harvard. [1961; 1966]
- EUGENE M. LANCE, *Clinical Assistant Professor of Surgery (Orthopedics)*. Assistant Attending Surgeon (Orthopedics), New York Hospital; Assistant Attending Orthopedic Surgeon, Hospital for Special Surgery. B.A. 1954, M.D. 1958, Cornell. [1959; 1967]
- BERNARD LANDIS, *Clinical Assistant Professor of Psychology in Psychiatry*. B.S. 1948, Syracuse; M.A. 1959, Ph.D. 1963, New School for Social Research. [1963; 1966]
- ALLISON B. LANDOLT, *Clinical Assistant Professor of Psychiatry*. A.B. 1941, Princeton; M.D. 1944, Columbia. [1947; 1967]
- LUDWIG G. LAUFER, *Clinical Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. M.D. 1948, Cornell. [1961; 1965]
- RUSSEL W. LAVENGOOD, Jr., *Clinical Assistant Professor of Surgery (Urology)*. Assistant Attending Surgeon (Urology), New York Hospital. B.S. 1947, St. Joseph's College; M.D. 1951, Louisville. [1952; 1964]
- HAROLD L. LEDER, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. B.S. 1935, M.D. 1939, New York University. [1950; 1966]
- BURTON J. LEE III, *Clinical Assistant Professor of Medicine*. B.A. 1952, Yale; M.D. 1956, Columbia. [1962; 1965]
- JOHN E. LEE, *Clinical Assistant Professor of Anatomy; Clinical Assistant Professor of Neurology in Medicine*. Assistant Attending Neurologist, New York Hospital. A.B. 1954, Princeton; M.D. 1958, Duke. [1963; 1967]
- ROBERT E. LEE, *Clinical Assistant Professor of Medicine in Psychiatry*. Consultant in Medicine, New York Hospital (Westchester Division). A.B. 1948, Colgate; M.D. 1952, Cornell. [1955; 1966]
- ROBERT D. LEEPER, *Assistant Professor of Medicine*. B.S. 1949, Idaho; M.D. 1953, Columbia. [1962]
- ROBERTO LEVI, *Assistant Professor of Pharmacology*. M.D. 1960, University of Florence. [1966]
- AARON R. LEVIN, *Assistant Professor of Pediatrics*. B.Sc. 1948, MB. B.Ch. 1953, Witwatersrand; D.C.H. 1960, M.R.C.P. 1961, Royal College of Physicians and Surgeons. [1966]
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- ISADORE ROSENFELD, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. B.Sc. 1947, M.D.C.M. 1951, McGill. [1958; 1964]
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- WALTER RUBIN, *Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. B.S. 1955, M.I.T.; M.D. 1959, Cornell. [1962; 1966]
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40 FACULTY

- AARON O. WELLS, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. B.S. 1943, Virginia Union University; M.D. 1946, Howard. [1951; 1963]
- ANTHONY S. WERNER, *Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. B.A. 1955, M.D. 1959, Yale. [1964; 1966]
- CHARLES A. WERNER, *Clinical Assistant Professor of Medicine*. Associate Visiting Physician, Bellevue Hospital. B.S. 1942, Chicago; M.D. 1945, Cornell. [1948; 1958]
- WILLIAM WHEAT, *Clinical Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. B.S. 1946; M.D. 1950, Louisiana State University. [1964]
- STEPHEN WHITE, *Clinical Assistant Professor of Radiology*. Associate Attending Radiologist, New York Hospital. B.S. 1920, C.C.N.Y.; M.D. 1924, Cornell. [1931; 1944]
- JOHN C. WHITSELL II, *Clinical Assistant Professor of Surgery*. Assistant Attending Surgeon, New York Hospital. A.B. 1950, Grinnell; M.D. 1954, Washington University. [1955; 1966]
- ROBERT E. WIECHE, *Clinical Assistant Professor of Obstetrics and Gynecology*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. A.B. 1948, Miami University (Ohio); M.D. 1952, Cornell. [1959; 1965]
- CARL WIERUM, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital. B.S. 1945, Columbia; M.D. 1951, Cornell. [1952; 1967]
- JOHN B. WILLIAMS, *Clinical Assistant Professor of Surgery (Otolaryngology)*. Associate Attending Surgeon, New York Hospital. A.B. 1945, Columbia; M.D. 1949, New York University. [1950; 1966]
- PETER G. WILSON, *Clinical Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. A.B. 1953, M.D. 1957, Columbia. [1959; 1965]
- SIDNEY J. WINAWER, *Assistant Professor of Medicine*. Assistant Visiting Physician, Bellevue Hospital. A.B. 1952, New York University; M.D. 1956, State University of New York (Brooklyn). [1966]
- MYRON WINICK, *Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. A.B. 1951, Columbia; M.S. 1952, Illinois; M.D. 1956, State University of New York, Brooklyn. [1958; 1964]
- A. LEE WINSTON, *Clinical Assistant Professor of Medicine*. Assistant Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. B.A. 1949, Syracuse; M.D. 1952, State University of New York, Syracuse. [1957, 1963]
- KATSUHIKO YANO, *Assistant Professor of Public Health*. M.D. 1951, Ph.D. 1961, Hiroshima Prefectural Medical College, Japan. [1967]
- ALVIN YAPALATER, *Clinical Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital (Westchester Division). B.A. 1943, Oklahoma; M.D. 1946, Tulane. [1966]
- CHARLES W. YOUNG, *Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. A.B. 1952, Columbia; M.D. 1956, Harvard. [1957; 1966]
- STANLEY S. ZIPSER, *Clinical Assistant Professor of Pediatrics*. Associate Attending Pediatrician, New York Hospital. A.B. 1932, Columbia; M.D. 1936, Long Island College of Medicine. [1946; 1956]

CORNELL UNIVERSITY MEDICAL COLLEGE

HISTORY

Cornell University Medical College was established on April 14, 1898, by the Board of Trustees of Cornell University. Although the University, which had been founded in 1865, was situated in Ithaca, New York, the Medical College was established in New York City in order to take advantage of the clinical teaching facilities available in a large population area. The original faculty was composed of a group of distinguished professors who had previously operated a teaching institution known as the Medical College Laboratory. The Laboratory was at one time affiliated with the medical department of New York University.

The trustees of Cornell University had wanted to form a medical education unit at various times since the founding of the University, and, in 1898, the generous gifts of Colonel Oliver H. Payne made possible the establishment of the Medical College. Colonel Payne, who provided funds for the support of the College for several years, later created a permanent endowment by donating a gift of more than four million dollars to the College.

The first Dean of the Medical College was Dr. William Mecklenburg Polk. Among the early faculty members were such renowned scientists as Dr. Lewis A. Stimson, Professor of Surgery; Dr. James Ewing, Professor of Pathology; and Dr. Graham Lusk, Professor of Physiology. The College has been well-known, from the time of its establishment, for a faculty composed of persons distinguished both as scientific investigators and as teachers.

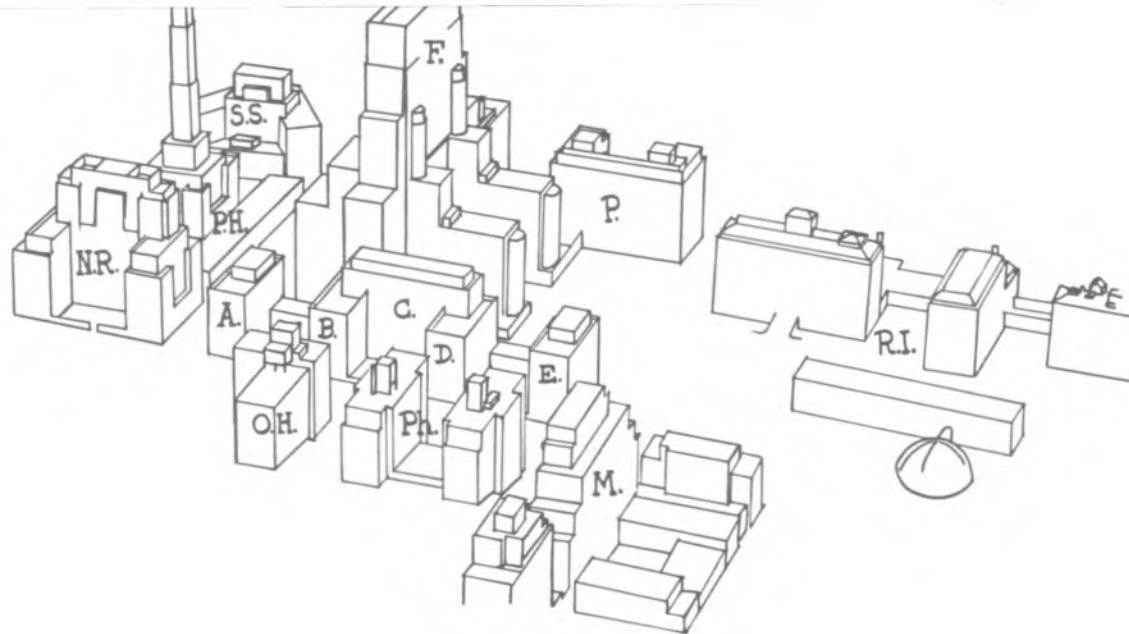
In 1900, the College occupied its first permanent headquarters at 28th Street and First Avenue. The College was one of the first in the country to admit women as well as men. It was also one of the first to require a degree from an undergraduate college as a standard for admission.

Cornell University Medical College has always had as its dual aims the development of the best possible physicians and the advancement of medical knowledge through research. The faculty believes that, in the ideal medical school, teaching activity of a high quality is carried on concurrently with studies of clinical medicine and those life sciences related to the control of disease.

THE NEW YORK HOSPITAL-CORNELL MEDICAL CENTER

Soon after its founding Cornell University Medical College entered into an agreement with The New York Hospital to make use of its clinical facilities. The New York Hospital, the oldest in the city, had been founded by Royal Charter in 1771, during the reign of King George III. It has stood since that time as one of the foremost hospitals





THE NEW YORK HOSPITAL-CORNELL MEDICAL CENTER (FROM THE WEST)

Key to the Photograph on the Opposite Page.

A. Anatomy.
 B. Microbiology and Immunology.
 C. Administration and Pathology.
 D. Physiology.
 E. Biochemistry and Pharmacology.
 F. New York Hospital.
 M. Memorial Hospital.

N.R. Nurses' Residence.
 O.H. Olin Hall.
 P. Payne Whitney Psychiatric Clinic
 Ph. Phipps Houses.
 P.H. Power and Maintenance.
 R.I. Rockefeller Institute.
 S.S. Hospital for Special Surgery.

in the country. The partial affiliation between the two institutions was strengthened in 1927, when an agreement between Cornell University and The Society of the New York Hospital established The New York Hospital-Cornell Medical Center. The agreement joined the facilities of the two institutions and provided for cooperation in the care of patients and in the conduct of medical education and scientific research. A Joint Administrative Board, which consists of three representatives of each institution and a seventh member elected by the others, coordinates the policies of the Center. The position of Director of The New York Hospital-Cornell Medical Center was established in 1953. In 1966, a new position, that of President of The New York Hospital-Cornell Medical Center, was established.

In 1932, The New York Hospital-Cornell Medical Center was moved to its present site on York Avenue between 68th and 71st Streets. Twenty impressive buildings, most of them of modified Gothic design, now make up the Center. The William Hale Harkness Medical Research Building, a ten-story structure located at York Avenue and 70th Street, will bring to twenty-one the number of buildings in the complex. Cornell University Medical College, The New York Hospital, and the Cornell University-New York Hospital School of Nursing together with their neighbors — the Rockefeller University, The Hospital for Special Surgery, and Memorial Sloan-Kettering Cancer Center — form one of the outstanding medical, educational, treatment, and research centers in the world.

FACILITIES FOR INSTRUCTION

The facilities provided by the physical plant of The New York Hospital-Cornell Medical Center for medical instruction are, in many respects, unexcelled. The Center comprises a large complex of buildings that are connected either conventionally or by underground passages. The facilities of the Center include ample accommodations for the care of hospital patients, for teaching which is conducted in the clinical departments, and for various activities related to the work of basic science departments in the Medical College.

Cornell University Medical College

Instruction in the medical sciences is conducted in the buildings along York Avenue from 68th to 70th Streets. The entrance to the Medical College, at 1300 York Avenue, is in the Samuel J. Wood Library and Research Building. The main reading room, the catalog and reference sections, and the area for the current journals of the Library are on the first floor of this building. The Medical College Alumni Office (Room C-140) and the Office of Admissions and Student Affairs (Room C-118) are located directly behind the Library. The B and D areas of the Medical College adjoin the Wood Building on the north and south sides. The upper floors of the central portion of the Medical College

house the Departments of Microbiology, Pathology, Public Health and Physiology, along with the research laboratories for several of the clinical departments. The Anatomy Department is in the building at 70th Street (Area A), and the building at the 68th Street (Area E) end of the College houses the Departments of Biochemistry and Pharmacology. The central buildings are joined to the main hospital building on each of the seven floors. The College auditorium, the student laboratories and lecture rooms for the basic science departments, as well as extensive research facilities for staff and students also are housed in the buildings along York Avenue.

The New York Hospital

Clinical instruction is given in the seven separate departments forming The New York Hospital. The medical and surgical departments occupy the central hospital building, while the women's clinic (Lying-In Hospital), the pediatric department and the psychiatric department (Payne Whitney Clinic) extend from north to south, overlooking the East River. Each clinic contains facilities for bed patients, an out-patient department, lecture rooms, and laboratories for clinical study and research. Special provision has also been made for student laboratory work. The Department of Medicine occupies the second to fourth floors of the central hospital building, with semi-private areas for bed patients, three floors for the out-patient department, and extensive laboratories for chemical, physiological, and biological research. The Department of Surgery utilizes the fifth to the ninth floors for semi-private beds and out-patient services, as well as facilities for the various surgical specialties. The operating rooms are on the tenth and eleventh floors. Above these are six floors containing 128 rooms for private patients, while the living quarters for the resident staff are on the floors at the top of the main 27-story building and in the new house-staff residence across York Avenue. The entire Hospital has a capacity of approximately 1,230 beds. The Westchester Division in White Plains, N.Y., contains an additional 350 beds. This Division, together with the Payne Whitney Clinic, forms the Psychiatry Department of The New York Hospital-Cornell Medical Center.

The chairman of each department is responsible for the care of patients and the conduct of professional services in the Hospital. He is also the professor in charge of the corresponding department in the Medical College. Every clinical department is staffed by a corps of salaried faculty members, including the chairman, who devote their full time to the service of the College and the Hospital. Other members of the faculty devote part of their time to private practice.

Other Hospitals for Clinical Instruction

Although the clinical teaching is conducted largely in The New York Hospital, advantage also is taken of special facilities afforded by other hospitals. In some of these hospitals the staff appointments are con-

trolled by the Medical College, while in others the teaching privileges have been granted to the members of the staff who are also members of the Medical College faculty.

THE HOSPITAL FOR SPECIAL SURGERY. The Hospital for Special Surgery, which includes a modern hospital facility containing 204 beds and a new adjoining research building, is at 535 East 70th Street across from The New York Hospital. The Hospital for Special Surgery provides the orthopedic and rheumatic services of The New York Hospital-Cornell Medical Center.

MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES. Memorial Hospital is affiliated with the Sloan-Kettering Institute for Cancer Research and these institutions together form Memorial Sloan-Kettering Cancer Center. James Ewing Hospital, a municipal institution with which Memorial Hospital is affiliated, is located next to it on 68th Street. In the terms of the Douglas Deeds of Trust set up by the late Dr. James Douglas, who provided the hospital with an endowment for the study and treatment of cancer and allied diseases, Memorial Hospital became affiliated with Cornell University Medical College in 1914. The agreement between Memorial Hospital and the College requires that the professional staff of the Hospital be named by the Council of the Medical College, subject to the approval of the Board of Managers of the Hospital. The facilities of Memorial Hospital offer unusual opportunities for instruction in the pathology, diagnosis, and treatment of neoplastic diseases. Memorial Hospital has 273 beds, and the James Ewing Hospital has 240 beds.

FRANKLIN D. ROOSEVELT VETERANS ADMINISTRATION HOSPITAL. This 1,800-bed psychiatric hospital, located in Montrose, New York, recently has become affiliated with the Medical College.

BELLEVUE HOSPITAL. Bellevue Hospital is the central hospital for the New York City Department of Hospitals. It is devoted to the treatment of acute diseases. While Cornell University Medical College has operated one of the four divisions of Bellevue for the past sixty-nine years, the City and the Medical College have agreed to terminate this affiliation as part of the total reorganization of Bellevue. Therefore, by June 30, 1968, Cornell will complete the withdrawal of its medical, neurological, surgical, and urological services (a total of 214 beds) from Bellevue. The Medical College will continue to maintain its other affiliations through which the Cornell faculty has responsibility for more than 2,000 beds.

The Loomis Laboratory

The original Loomis Laboratory, which was founded in 1886, at 414 East 26th Street, provided research and teaching facilities for Cornell faculty members before the Medical College was moved to its present location. A teaching laboratory in the Department of Pathology is named the Loomis Laboratory in recognition of the earlier institution.

The Library

The reading room of the Library is on the first floor of the Samuel J. Wood Library and Research Building, to the right of the Medical College entrance at 1300 York Avenue. The sections for current journals, reference works, and medical monographs are adjacent to the reading room. The book stacks and carrels are on the two floors below the main reading room.

The Library has more than 88,330 books and 1,272 journals dealing with the medical sciences and clinical medicine. There are many complete sets of important journals in English, German, and French as well as selected collections of monographs and textbooks.

Several of the departments in the Medical College have libraries with journals, monographs, and textbooks pertaining to the specific subject areas of the department. These collections, inter-library loans, and photo-duplicate copies from other libraries, including the National Library of Medicine, supplement the Medical College Library.

In addition to using the College Library, students may obtain certain privileges at the library of the New York Academy of Medicine. The Academy, which is located at Fifth Avenue and 103rd Street, has the second-largest medical library in the United States.

The Russell Sage Institute of Pathology

The Russell Sage Institute of Pathology has been associated with the Medical College since 1913. Originally, it was affiliated with the Second (Cornell) Medical Division at Bellevue Hospital, but, since 1932, it has been incorporated into The New York Hospital. The institute supports work in metabolism which is conducted by members of the Departments of Medicine and Physiology. The Medical Director of the Institute is Dr. Alexander G. Bearn, Professor of Medicine.

REQUIREMENTS FOR ADMISSION AND GRADUATION

The faculty of Cornell University Medical College, in defining the qualifications for admission to the medical professions, attaches particular importance to the liberal culture and general education implied by the acquisition of a college degree. Cornell was one of the first medical colleges in the United States to require a college degree as a standard of admission. Only the following candidates for the degree of Doctor of Medicine will be admitted to Cornell University Medical College:

1. Graduates of approved colleges or scientific schools; or
2. Seniors in good standing in any approved college or scientific school whose faculty will permit them to substitute the first year of the professional course for the fourth year in arts and sciences, and who will confer upon them the Bachelor's degree upon the satisfactory completion of the first year of the course in the Cornell University Medical College. A student seeking admission under this clause must have a statement from the dean of his college signifying approval of this plan for fulfilling the requirements for the degree. Any student failing to receive his degree under this arrangement will not be admitted to the second year of the medical course.

The basic premedical requirements which all students must fulfill in order to qualify for admission to the study of medicine in New York State are set forth in the *Regulations of the Commissioner of Education*. In conformity with these regulations, Cornell University Medical College requires for admission the satisfactory completion of at least six semester hours in each of the following subjects: English, physics, biology or zoology, general chemistry, and organic chemistry. Although these requirements form the basis of eligibility for admission to the medical course, they should be considered as representing the irreducible minimum. Only exceptional students are admitted with this minimal preparation as background.

The continuing rapid growth of medical science is reflected in the modern medical school curriculum by an increased quantity and a greater complexity of the material which a medical student must master. Accordingly, a sound preparation in biology, chemistry, and physics during the college years is necessary for any student planning to study medicine. We recommend two terms of biological science beyond the introductory course, preferably in embryology, genetics, cellular biology, or comparative anatomy. This additional work in biology is particularly important for a student who has not majored in one of the sciences. Knowledge of quantitative chemistry is desirable, such as may be learned in courses in quantitative analysis and physical chemistry. Familiarity with the principles of statistics is valuable for any medical student, and a knowledge of calculus is important especially for those who plan to do advanced study in any of the basic medical science areas. A student not majoring in one of the sciences should realize that

thorough basic training in the sciences is essential. On the other hand, a science major should not overlook the broad educational value of work in the humanities and social sciences. Students planning to study medicine should bear in mind that bacteriology, immunology, human physiology, and abnormal psychology are properly subjects of the medical and not of the premedical curriculum. In planning premedical work students are advised to elect subjects which will lay a broad foundation for medical study rather than to anticipate courses required as a part of the medical curriculum.

Each year the Committee on Admissions selects a class of approximately eighty-nine students from a group of more than 1,300 applicants. The members of the Committee are keenly aware of their serious responsibility in selecting students who have the native ability, traits of character, and soundness of personality that will enable them to complete satisfactorily their course in the Medical College. Moreover, a medical school must acknowledge its serious obligation to society. It must graduate only those who can be expected, with reasonable certainty, to do creditable work in medicine after graduation. The Committee on Admissions selects from all the applicants those who best seem to fulfill these requirements.

In selecting a relatively small class from a large group of well-qualified applicants, the Committee is mindful of the sound and liberal traditions of Cornell University. They attempt to select well-qualified students with varied backgrounds— from various geographic areas, from different socio-economic groups, and from varying types of educational institutions. As to grade averages, the Committee needs to satisfy itself that the applicant's scholastic record, both as to courses taken and grades received, gives reasonable assurance that the individual can do the medical curricular work without undue difficulty. Grading systems vary so much from school to school that no specific grade can be categorically stated as minimally acceptable. To be accepted for admission a student must have a satisfactory scholastic record. Beyond that, grades are considered less important than the personal attributes— emotional stability, sound character, healthy personality, intellectual maturity, strong motivation, and ability to cooperate. The Medical College Admission Test results are helpful in appraising an applicant's academic ability. No one pattern of extracurricular activities is considered more meritorious than another. The Committee on Admissions looks at each applicant as a total individual, insofar as that is possible with the information obtainable. Those applicants are considered acceptable who have the qualities, abilities, and capabilities considered necessary in a person who hopes to become a physician. Eligibility for admission is determined without regard for race, creed, color, religion, or national origin. Admission policies are in conformity with the policy of New York State in regard to the American ideal of equality of opportunity as embodied in the Education Practices Act.

As a general rule, the courses given in professional schools of pharmacy, veterinary medicine, optometry, agriculture, and the like are not considered as adequate to fulfill the admission requirements.

APPLICATIONS FOR ADMISSION

All requests for application forms should be addressed to the Committee on Admissions, 1300 York Avenue, New York, New York 10021. In order to apply for admission, the regular form issued for this purpose must be completed and submitted to the Office of Admissions. Candidates are accepted for only one class in advance. Because of the large number of students applying in recent years, it has been necessary to assign a definite period for distributing application forms. For a class entering in September of a specific year, the application forms may be obtained upon request, beginning on July 1 of the previous year. The completed applications should be filed during the fall, and no applications will be accepted after November 30. A nonrefundable charge of \$10 is made for submitting an application. A check or money order made payable to Cornell University Medical College should be sent with the application.

Applications are passed upon by the Committee on Admissions after all credentials have been filed. As soon as the Committee takes favorable action upon an applicant, a letter of acceptance is forwarded to him, and the accepted applicant is required to make a deposit of \$50 within a specified time. This deposit is not returnable but is credited toward the first tuition payment. If the accepted student fails to make the deposit in the stipulated time, he forfeits his place on the class roll.

Owing to the large number of applicants it is not possible for the Committee on Admissions to have personal interviews with every candidate. Therefore, the invitations for interview are decided by the Committee. However, any student who is attending a college at a distance from New York City is invited to write and request an interview if he is visiting in the area. In such instances, every effort will be made to arrange personal conferences with members of the Committee on Admissions.

A student who has previously attended another medical school and has been dropped for poor scholarship or unsatisfactory conduct is not an acceptable candidate for admission to any class in Cornell Medical College. It is inadvisable, therefore, for one with this background to go through the formality of submitting an application.

ADMISSION FOR ADVANCED STANDING

When vacancies occur, students may be admitted to advanced standing. Applications for a place in one of the upper classes should be filed according to the procedure described for admission to the first-year class. Applicants who are accepted are required to make the deposit of \$50. Candidates seeking admission to advanced standing must furnish acceptable evidence of having completed satisfactorily, in an approved medical school, all of the work required of students in the class which they wish to enter. In addition, these candidates must have completed the conditions of admission to the first-year class at Cornell University

Medical College. These applicants must present a certificate of honorable dismissal from the medical school, or schools, they have attended, and they may be required to take examinations in any of the medical courses taken in another school.

Although a certain number of students are regularly admitted from other institutions to enter the third-year class at Cornell University Medical College, rarely have there been acceptances made of students to enter the fourth year on the basis of work at another medical school. Candidates seeking admission to the fourth year are required to come before the clinical departments for a thorough examination before final action is taken on their applications.

Persons who have received the degree of Doctor of Medicine at another institution will not be accepted as candidates for this degree at Cornell University Medical College. Likewise, persons who have completed all or part of the course in dentistry and seek a transfer to medicine are discouraged from making application here, since Cornell does not have a department of dentistry and makes no provision for including any teaching of this subject in the medical curriculum.

ADVANCEMENT AND EXAMINATION

The entire medical curriculum is arranged in four courses, or academic years, and the student advances one academic year at a time. It is necessary that he complete all the subjects of a given academic year before taking up the next group of subjects. To be promoted to any of the advanced years (second, third, or fourth), he must be approved for advancement by the faculty.

Any student who, by quality of work or conduct, indicates an unfitness to enter the profession of medicine may, at the discretion of the faculty, be required at any time to withdraw from the Medical College.

At the close of the academic year, examinations are given in all subjects except those extending through a part of the year only, in which examinations may be held at the close of the course in the hours allotted thereto. In making up a student's rating in a given course, all work covered in that subject during the year is taken into account, and due weight is assigned to the effort he puts into his work, his seriousness of purpose, and his scholastic resourcefulness, as well as the results of the final examination.

A final rating is made for each student at the end of the academic year, based on the results of his performance in all courses in the curriculum of that year. These final ratings of students are made on the recommendations of the committee on promotion and graduation; then they are reviewed and formally acted on by the faculty. The faculty ratings classify all students of the medical course under one of four groups as follows:

1. Students with no encumbrances in any subject are recorded as "passed." The rating confers eligibility for readmission into the Medical

College in the next higher class, unless by reason of conduct the faculty considers the student unsuited for the medical profession.

2. Students with an unsatisfactory rating in 40 percent or more of the required hours in a given year are recorded as "not passed." A rating of "not passed" carries ineligibility for readmission into the Medical College.

3. Students with an unsatisfactory rating in less than 40 percent of the required hours of a given year are recorded as "conditioned." A "conditioned" student has failures in certain required courses, and he may be re-examined in these subjects, but only after pursuing additional work under the direction of the head of the department in which a failure has occurred. Students who fail on re-examinations are ineligible for readmission into the Medical College, unless under special circumstances they are permitted by the faculty to repeat courses in which their work is deficient.

4. Students with uniformly low grades in most subjects of the course for two years or more are subject to special review by the faculty, and any students with a record of this kind may be deemed unqualified to enter the medical profession. A rating in this group carries ineligibility for readmission into the Medical College.

It is a well-established policy of the Medical College to make no announcement to students of grades received in any subject of the medical course. At the close of every academic year, however, each student is notified of the general level of his scholastic performance for the year.

A transcript of the Medical College record of a student or graduate will be mailed on his request to accredited hospitals and to educational or other well-recognized institutions as credentials in support of his application for a position or promotion. All transcripts are marked "confidential" and carry the instructions that they are not to be turned over to the candidate. This ruling is for the purpose of avoiding possible loss and fraudulent use of an official document of the Medical College. The Medical College makes no charge for sending out transcripts of record.

REQUIREMENTS FOR GRADUATION

The candidates for the degree of Doctor of Medicine must have attained the age of twenty-one years and be of good moral character.

They must have completed successfully four full courses of at least eight months each as regular matriculated medical students, the last of which must have been in Cornell University Medical College. They must have satisfactorily completed all the required work of the medical curriculum and must have passed all prescribed examinations. At the end of the fourth year every student who has fulfilled these requirements will be recommended to the President and Trustees of Cornell University for the degree of Doctor of Medicine.

EXAMINATIONS FOR MEDICAL LICENSURE

Graduates of Cornell University Medical College are admitted unconditionally to the examinations for license to practice medicine in all states of the United States.

Students and graduates of Cornell University Medical College are admitted to the examinations of the National Board of Medical Examiners, whose certificate is recognized by the respective authorities of England, Scotland, and Ireland. Although national in scope and organized under the laws of the District of Columbia, the National Board of Medical Examiners is not to be confused with a federal government agency. For information write to the National Board of Medical Examiners, 3930 Chestnut Street, Philadelphia, Pennsylvania 19104.

GENERAL INFORMATION

FEES AND EXPENSES

All fees for instruction and other charges are paid at the Business Office of the Medical College, Room D-07, 1300 York Avenue, New York, N.Y. 10021.

Veterans receiving federal or state educational benefits are required to report to the Veterans Affairs Office, Room D-07, immediately after registering.

The Board of Trustees of Cornell University reserves the right to change the schedule of fees of the Medical College when deemed expedient.

APPLICATION FEE

A charge for reviewing an application \$10

ACCEPTANCE DEPOSIT \$50

Each student admitted is given notice of favorable action on his application and a limited time (usually two weeks) in which to decide if he will enroll in the entering class. His name is not placed on the class list until the acceptance fee is paid. The fee is credited toward the tuition charge and is not returnable if the student fails to enter.

The following tuition and fee rates became effective July 1, 1966:

TUITION FEE (for academic year) \$1,600

COMPREHENSIVE FEE (For academic year) \$ 200

The charges are payable at the beginning of the academic year, or in three equal parts, the first of which must be made at registration. For fourth-year students, the first installment will be due at or before September registration. No refund or rebate will be made in any instance.

Included in the comprehensive fee are the following:

1. MATRICULATION FEE

2. STUDENT HOSPITALIZATION INSURANCE. This insurance (for the calendar year) is carried through the Associated Hospital Service (Blue Cross plan) and may be extended to wives and families of married students at additional cost. The plan covers all hospital costs for a limited period of time for any student in good standing who is hospitalized in The New York Hospital. It assures the usual Blue Cross plan coverage for hospitalization in other hospitals.

3. PERSONNEL HEALTH SERVICE. See description, page 55.

4. GRADUATION FEE AND RENTAL FEE for cap and gown for graduation exercises.

BOOKS, INSTRUMENTS, AND MICROSCOPES. The average cost of books and instruments is distributed approximately as follows: first year, \$275; second year, \$300; third year, \$175; fourth year, \$60.

Each student is required to provide himself with a microscope of an approved type. Arrangements can be made to purchase one from the College Book Store after arrival if the student desires. A limited number of monocular microscopes are available for rental at \$35 to \$50 a year. Anyone wishing to rent one of these microscopes should write to the Office of Admissions to make reservation as early as possible.

PERSONNEL HEALTH SERVICE

Complete ambulatory medical care is provided for all students matriculated in the Medical College and in the Graduate School of Medical Sciences through the Personnel Health Service of the Medical Center. All members of the first-year class and students transferred to advanced standing from other schools are required to have a physical examination which is given by a member of the Health Service staff. In addition, each student must report for a chest X-ray examination, tuberculin test, and such immunizations as may be considered necessary at periodic intervals. No charge is made for medical care through the Health Service or for any X-rays, laboratory tests, or similar procedures when they are needed. Each student is required to carry Associated Hospital Service (Blue Cross) hospitalization insurance, unless some similar hospitalization insurance is currently in effect through a previous policy. The cost of the insurance for each student is included in the Comprehensive Fee. Those students who wish to enroll their wives and families in the insurance program may do so by paying an additional fee. Office hours are held daily from 12:30 to 1:30 P.M. by the Health Service staff. All cases of illness must be reported to Health Service. Students may have in attendance physicians of their own choice, but a reasonable amount of cooperation between such physicians and the Health Service is expected. Wives and families of students are not eligible for care through the Health Service but will be referred to appropriate members of the hospital staff for medical care.

RESIDENCE HALLS

F. W. Olin Hall, a student residence which was built with a generous gift from the Olin Foundation, was completed for occupancy in 1954. The residence is located at 445 East 69th Street, directly across from the Medical College entrance on York Avenue. Olin Hall contains a gymnasium, snack bar, lounge rooms, and 278 residence rooms. The Alumni Memorial Room houses the George T. Delacourt, Jr., Book Collection as well as the War Memorial to Cornell graduates who gave their lives in the wars. Each residence room is furnished as a single bedroom-study, but, since two rooms share a connecting bath, they may be used as a suite for two students if desired. The rooms are completely furnished, and linen service is provided. Student rental for an academic year is \$470.00; for a full year (12 months), \$550.00; and for periods of

less than an academic year, \$50.00 per month. One floor is reserved for women students, and nonhousekeeping facilities for married students are available. Several cafeterias are available in the main college and hospital buildings.

Livingston Farrand Apartments for married students, an elevator building at 427 East 69th Street, next to Olin Hall, was opened in 1957. It provides nineteen one and one-half room furnished apartments, and nineteen three-room, furnished apartments. Monthly rentals range from \$75.00 to \$85.00 for the one and one-half room apartments and from \$115.00 to \$125.00 for the three room apartments.

Two adjacent buildings, also known as the Livingston Farrand Apartments, were remodeled in 1960 for married students. The building at 425 East 69th Street contains twenty two-room furnished apartments, with rentals ranging from \$70.00 to \$77.00 per month. The building at 423 East 69th Street has sixteen two-, three-, and four-room furnished apartments. Monthly rentals range from \$70.00 to \$77.50 for two-room apartments; from \$110.00 to \$120.00 for three-room apartments; and from \$130.00 to \$137.50 for four-room apartments.

FINANCIAL AID

The Medical College has scholarship funds and loan funds to assist medical students who are in need of financial aid. These funds are described below.

New York State programs for financial aid to New York State residents are mentioned at the ends of the sections on scholarships and on loans.

Scholarships

Scholarship money is derived from the several endowed funds and other sources listed below, and from an appropriation from the Medical College budget. Scholarship awards are made, to the extent of the funds available, on the basis of comparative financial need. Any student in good standing in the Medical College who has real financial need is eligible to apply for assistance.

Awards to entering students are made on the same basis as to students already enrolled. An applicant's financial situation should be accurately described in his application for admission, and he should discuss any anticipated need for financial help with members of the admissions committee when he is interviewed. An applicant who has been accepted for admission and has indicated his intention of enrolling at the Medical College may file a formal application for scholarship aid.

Awards are made for one year only, and the financial situation is reviewed each year by the Committee on Scholarships.

1. **THE JOHN METCALFE POLK SCHOLARSHIP.** A gift under the will of William Mecklenburg Polk, the first Dean of the Medical College, is awarded annually by the faculty.

2. **THE THORNE SHAW SCHOLARSHIP FUND.** This fund provides three scholarships designated as:

First: one scholarship of approximately \$400, available to students after at least two years of study in the Medical College.

Second: two scholarships of approximately \$200 each, available to students after at least one year of study in the Medical College.

3. **MARY F. HALL SCHOLARSHIP.** The income from a fund established by bequest of Miss Mary F. Hall, is available to any woman student in Cornell University Medical College who needs its aid and who is a bona fide resident of the State of New York and was such prior to admission to the College.

4. **THE 1936 JOHN AND KATHERINE MAYER SCHOLARSHIP FUND.** A fund of \$5,000 was established in 1936, the income from which is available annually to meritorious students who need its aid, and who have completed one or more years of the regular medical course. The award is for one year only, but it is tenable for a second or third year provided the qualifications of the candidate merit it. If, during any year, the income from the fund is not used as stated above, then it may be utilized for research work or other projects as determined by the faculty or trustees.

5. **THE 1939 JOHN AND KATHERINE MAYER SCHOLARSHIP FUND.** A fund of \$5,000 was established in 1939, the income from which is available annually to meritorious students who need its aid, and who have completed one or more years of the regular medical course. The award is for one year only, but it is tenable for a second or third year provided the qualifications of the candidate merit it. If, during any year, the income from the fund is not used as stated above, then it may be used for research work or other projects as determined by the faculty or trustees.

6. **THE JEREMIAH S. FERGUSON SCHOLARSHIP.** This scholarship was established in memory of Jeremiah S. Ferguson, who, throughout his connection of more than forty years with the Medical College, devoted a great deal of his time to helping students with their individual problems and promoting their professional careers. The fund amounts to \$5,000 and the income from it is awarded annually by the Committee on Scholarships and Prizes to a student or students in the third- and fourth-year classes in the Medical College, who are in need of financial aid and who, by their conduct and scholarship, have proven worthy investments.

7. **THE CHARLES RUPERT STOCKARD SCHOLARSHIP.** A fund of \$10,000 was established in 1939 by a friend of the late Charles Rupert Stockard, Professor of Anatomy in the Cornell University Medical College, 1911-39. The interest from this fund is to be awarded either to one or to two students who have shown promise in the work in the Department of Anatomy and who are desirous of doing advanced work in that Department. The scholarships are to be awarded by the

Executive Faculty upon nomination by the head of the Department of Anatomy.

8. **THE DR. JOHN A. HEIM SCHOLARSHIPS.** This fund, which was established under the will of John A. Heim '05, provides as many scholarships in the Medical College as there are funds available for that purpose. The awards are made to regularly matriculated medical students who are in need of financial assistance as provided for in the terms of the bequest. First-year students who meet the prescribed standards are eligible for these scholarships.

9. **THE DR. CHARLES I. HYDE '10 AND EVA HYDE SCHOLARSHIP FUND.** Established in memory of their daughter, Anita Shirley Hyde, this endowment provides that the income be available annually to meritorious students who have completed one year of the regular medical course and who are in need of assistance.

10. **THE DR. JACQUES SAPHIER SCHOLARSHIP FUND.** This fund was established in memory of Dr. Jacques Conrad Saphier (Lieutenant, j.g., U.S.N.R.), Class of 1940, who was killed in action on August 21, 1942, at Guadalcanal while in performance of his duty. The income from this fund is awarded annually to a meritorious student of Cornell University Medical College who has completed at least one year of work, who needs its aid, and who, in the opinion of the faculty, merits the recognition for which this scholarship was established.

11. **THE ELSIE STRANG L'ESPERANCE SCHOLARSHIP.** Established by a bequest from Dr. L'Esperance, this scholarship provides financial assistance for women students at Cornell University Medical College.

12. **THE RUTH HOLLOHAN SCHOLARSHIP FUND.** This fund was established under the terms of the will of Jessie L. Hollohan in memory of Ruth Hollohan. The income is used for scholarships in the Medical College, with the first consideration given to entering students of high academic achievement who are in need of financial assistance.

13. **THE WALLACE D. GARRABRANDT SCHOLARSHIP.** Established by Mabel G. Gormley, this scholarship is awarded annually to a regularly matriculated student of high academic achievement who is in need of financial assistance.

14. **THE LEONA E. TODD SCHOLARSHIP.** Under the terms of the will of Alzina T. Elliott, a scholarship fund is available to women students in the Medical College.

15. **FUND FOR TRAINING IN PSYCHIATRY.** A grateful patient, recognizing the value of psychiatric therapy in helping people achieve a more normal, fruitful life, has established this fund to provide financial assistance to students preparing for a career in psychiatry. Students who seriously intend to enter the field of psychiatry, and who are judged qualified by the faculty, are eligible for financial aid after the second year of the medical course. Financial assistance may also be

given in support of graduate or postgraduate training in the Payne Whitney Psychiatric Clinic.

16. **DR. E. COOPER PERSON MEMORIAL SCHOLARSHIP FUND.** Friends of the late Dr. Person established this scholarship fund in his memory. Scholarship aid for deserving students is provided from the income.

17. **THE LILLIAN M. CHARLES SCHOLARSHIP FUND.** The income from this fund, which was established by a generous gift from Mrs. Howard W. Charles, provides scholarship assistance for needy students who are in good academic standing.

18. **VIVIAN B. ALLEN SCHOLARSHIP.** Through the generosity of the Vivian B. Allen Foundation, Inc., this endowment has been established to aid needy male students of good scholastic standing who otherwise would not be able to complete their medical education.

19. **MARY LOUISE WUESTER SCHOLARSHIP.** The income from this fund, which was established in memory of his mother by Dr. William O. Wuester, is awarded annually to a regularly matriculated medical student of good scholarship who is in need of financial aid.

20. **ROBERT E. SPENO SCHOLARSHIP FUND.** This fund was established in 1952 by a gift from Frank Speno in memory of his son, Robert E. Speno. A room in F. W. Olin Hall is named the Robert E. Speno Room and the income from the endowment provides a room-rent scholarship.

21. **ELIZABETH AND NEILL HOUSTON SCHOLARSHIP FUND.** The scholarship was established in 1952 by a gift from Elizabeth and Neill Houston. A room in F. W. Olin Hall is designated the Elizabeth and Neill Houston Room, and the income from the endowment provides a room-rent scholarship.

22. **DR. HARRY ENO SCHOLARSHIP ENDOWMENT.** Established in 1955 by the gift of Dr. Harry Eno, the income from this endowment provides scholarships for needy and worthy students in the Medical College.

23. **THE JOSEPH P. FERRIGAN FUND.** The income from this fund is to be used to benefit a worthy and meritorious student in need of financial assistance.

24. **THE THOMAS RENNIE SCHOLARSHIP FUND.** Friends of the late Dr. Rennie, Professor of Social Psychiatry, have set up a fund, the income from which is available to students interested in carrying out research work in social psychiatry.

25. **THE DR. GEORGE A. AND NORA W. NEWTON SCHOLARSHIP.** The Newton Scholarship Fund provides a full or partial scholarship for a needy and worthy student of the Medical College. The recipient is to be selected by the Faculty Committee on Scholarships on the basis of high scholarship and character.

26. **THE COPPERMINES FOUNDATION SCHOLARSHIP.** Endowed by a generous gift from the Coppermines Foundations, Inc., the fund provides financial assistance for needy and worthy students.

27. **THE MARY E. C. CANTLE SCHOLARSHIP FUND.** The income from this fund, which was established by a bequest from Mary E. C. Cantle, provides scholarships for worthy students in the Medical College.

28. **THE MARY PUTNAM JACOBI—ANNA FOREST ROWE SCHOLARSHIP.** A bequest from William Vincent Rowe endowed this fund. The income provides scholarship assistance, preferably for women medical students.

29. **JUDGE AND MRS. SAMUEL JORDAN GRAHAM MEMORIAL SCHOLARSHIP FUND.** This fund was established by a bequest from the estate of E. Norma P. Graham; it provides scholarship assistance for deserving students of the Medical College.

30. **THE SIEGFRIED AND JOSEPHINE BIEBER SCHOLARSHIP FUND.** The income from the endowment, given by Mrs. Siegfried Bieber and the Siegfried and Josephine Bieber Foundation, provides scholarships for students in good academic standing who need financial aid.

31. **DR. EDWARD HOENIG SCHOLARSHIP FUND.** This scholarship was established by gifts from Dr. Robert Hoenig '34 and Dr. Theodore Hoenig '40, in memory of their father, Dr. Edward Hoenig '10. The income is to provide financial assistance for needy but worthy students.

32. **THE PFIZER LABORATORIES SCHOLARSHIP.** The amount of \$1,000, which is contributed annually by the Pfizer Laboratories Medical Scholarship Program, is awarded to a medical student who is in financial need.

33. **THE EQUITABLE LIFE ASSURANCE SOCIETY GRANT.** A \$5,000 grant is made annually by the Society to provide scholarships for students who are in need of financial aid.

34. **THE WELD FUND SCHOLARSHIP.** Established by David and Mary Blake Weld, the income from this fund provides scholarship assistance for needy students who are in good academic standing.

35. **THE CARL J. SCHMIDLAPP MEMORIAL FUND.** This fund was established by Dr. Jean Schmidlapp Humes '49, in memory of her father, Carl J. Schmidlapp, Cornell University '08. The income from the fund is awarded annually to a deserving student in any class of Cornell Medical College selected by the faculty on the basis of need and ability.

36. **MAIER AND SHANTSYA HITZIG SCHOLARSHIP.** Dr. William M. Hitzig '29, established this scholarship in memory of his father and mother through a gift of \$5,000. The income from this fund is allotted annually as a scholarship, with preference given to students who have done meritorious work in internal medicine.

37. **THE LUCIEN AND ETHEL BROWNSTONE MERIT MEDICAL SCHOLARSHIP.** Generous gifts of \$80,000 each to Cornell University Medical College and to three other New York City medical schools by the Lucien and Ethel Brownstone Foundation established the first American Merit Medical Scholarships. The income from the endowment is to be awarded as a four-year scholarship to one or two students. By these Merit Scholarships the donors hope "to stimulate the most inately gifted, best educated, and most mature individuals to enter the complex and humane field of medicine." The first award will be made to a student or students entering the Medical College in 1968.

38. **THE LOIS AND MAX BEREN FOUNDATION.** The Lois and Max Beren Foundation will award a scholarship to a promising student accepted for admission at Cornell University Medical College in an amount to be determined by consultation between the College and the Foundation, but not to exceed the sum of \$1,800 each academic year.

The student shall be selected by the College subject to the approval of the Foundation, and may be a candidate for either the Ph.D. or M.D. degree. It is the desire of the Foundation to assist a student who possesses great eagerness to pursue his studies but who would find it impossible or impracticable to do so without the financial support of the Foundation.

39. **THE WALTER C. TEAGLE SCHOLARSHIP FUND.** The Walter C. Teagle Scholarship fund, established on July 1, 1963, by The Teagle Foundation, Incorporated, is a permanent memorial in honor of Mr. Teagle, with recipients of the fund to be designated Teagle Scholars. The letter establishing the fund explains the goal of the award as follows:

"It is the desire of the Directors of the Foundation that each student given an award be urged — but in no sense required in a legal way — to consider in later life making a gift to Cornell University for the benefit of some student in the Medical College, in order that future generations of medical students may have available further funds to help defray the rising costs of medical education."

40. **SAMUEL FARRAR KELLEY, M.D., SCHOLARSHIP FUND.** Endowment for this fund was given by Mrs. Lillian E. Kelley in memory of her husband. Support from this fund is available to students in good standing who need financial assistance.

41. **THE JOHN V. BOHRER SCHOLARSHIP FUND.** Established by a bequest from Laura S. Bohrer in memory of her husband, Dr. John V. Bohrer, scholarships from this fund are awarded to students "who express a willingness and intention to restore to the trust fund the amounts received by them, as and when their circumstances permit."

42. **NEW YORK COMMUNITY TRUST SCHOLARSHIP.** These funds are provided by the New York Community Trust from a gift received from the late Charles F. Iklé. They are to extend "scholarship assistance to needy and overburdened medical students so as to decrease

the necessity of their spending many hours of extraneous work in order to continue their medical studies."

43. CONNIE GUION SCHOLARSHIP. Providing annual tuition for a student of the Medical College, this scholarship was established by Mr. and Mrs. Vincent de Roulet to express their gratitude to Dr. Connie Guion.

NEW YORK STATE SCHOLARSHIPS FOR STATE RESIDENTS

SCHOLAR INCENTIVE PROGRAM. Applications should be filed before July 1 for each academic year, but will be accepted up to December 1. Applications for the spring semester only have an April 1 deadline. *Annual* application is required.

REGENTS SCHOLARSHIPS FOR GRADUATE STUDY IN MEDICINE AND DENTISTRY. Applications should be filed by October of the last year of preprofessional study.

INFORMATION may be obtained by writing: Regents Examination and Scholarship Center, New York State Education Department, Albany, New York 12210.

Bursary for Women Students

THE MARIE AND JOHN ZIMMERMAN FUND. A sum from this fund will be available this year to certain women students as a memorial to Marie Zimmerman, Sr. The candidates will be chosen in accordance with the purposes of the donor as set forth in the following terms:

"It is the desire of the Fund that Dr. Connie M. Guion and the Associate Dean assign the proceeds of the donations to one or more women medical students who are financially in need of assistance and whose academic standing leads them to believe that the recipients of the awards will make a success in their profession."

The objectives and method of assigning these awards will follow the principles accompanying the donations received during the present year.

Loan Funds

1. **THE 1923 LOAN FUND.** The income from this fund is available as a loan to a student needing financial assistance.

2. **ALUMNI ASSOCIATION LOAN FUNDS.** The Alumni Association of the Medical College is able to aid a few students in meeting their expenses through the Jessie P. Andersen Memorial Fund and the Class Student Loan Funds. The loans made from these funds will be administered by the Board of Directors of the Alumni Association. The

Medical College is consulted in making these awards. Students in the upper classes will be given preference.

3. **STUDENT LOAN FUND.** A revolving fund contributed through different sources including the Kellogg Foundation, the Charles Hayden Foundation, and the Student Bookstore, is available to students in all classes who are in need of assistance. Every effort is made within the limitations of the financial structure of the institution to help students who, by reason of unforeseen circumstances, are having financial difficulties. A special committee considers each case on its individual merits. Students are required to clear themselves of all indebtedness to the College, with the exception of formal loans, before graduation.

4. **JOSEPH C. HINSEY LOAN FUND.** Established through the generosity of the Olin Foundation, and supplemented by a generous gift from an anonymous donor, this revolving fund is used to advance funds on a loan basis to students in need of financial assistance.

5. **FEDERAL LOAN FUND.** The Medical College has participated with the Department of Health, Education, and Welfare in establishing *A Health Professions Student Loan Fund*, pursuant to Part C of Title VII of the Public Health Service Act as amended by the Health Professions Educational Assistance Act of 1963.

NEW YORK STATE GUARANTEED LOANS FOR STATE RESIDENTS

Students seeking New York State guaranteed loans should apply to: New York Higher Education Assistance Corporation, 111 Washington Avenue, Albany, New York 12210.

Prizes

1. **FOR GENERAL EFFICIENCY.** Three prizes are given in commemoration of John Metcalfe Polk '99, who was an instructor in the Medical College at the time of his death on March 29, 1904. The prizes are presented at the end of the fourth year to the three student who have the highest academic standing for the four years' work. Only those who have taken the full course of study at Cornell University Medical College are eligible.

2. **EFFICIENCY IN OTOLARYNGOLOGY.** This prize is made available from the Arthur Palmer Fund which was provided by the members of the Division of Otolaryngology in honor of Dr. Palmer. The prize is given to the student in the graduating class who makes the best record in this specialty.

3. **FOR EFFICIENCY IN OBSTETRICS.** Two prizes, endowed by an anonymous donor in recognition of the work of Dr. Gustav Seeligmann, are given to the two students of the graduating class who have made the best record in obstetrics.

4. **FOR EFFICIENCY IN GENERAL MEDICINE.** The income from this fund is offered as a prize for general efficiency in the Department of Medicine, in commemoration of Alfred Moritz Michaelis, who was graduated from Cornell University Medical College on June 11, 1925, and who died during his internship at Mt. Sinai Hospital on April 24, 1926. The award is presented at the end of the fourth year to a member of the graduating class who has taken the full course of study at Cornell University Medical College.

5. **THE MARY ALDRICH FUND.** In memory of William Mecklenburg Polk, M.D., LL.D., first Dean of the Medical College, two prizes are offered for proficiency in research to regularly matriculated students of the Cornell University Medical College, the first of \$250, and the second of \$150. Members of all classes are eligible for these prizes.

The awards are made at the end of each academic year for the best report presented in writing of research work done by students, or for valuable reviews and logical presentations on medical subjects not to be found fully considered in a single text or reference book. If the papers submitted are not considered worthy of special commendation, the prizes will be withheld.

Papers are submitted in quintuplicate in a sealed envelope marked "Dean William Mecklenburg Polk Memorial Prize Committee" and must be in the Administration Office not later than April 15.

The committee of awards for this prize consists of two members of the faculty from laboratory departments and two from clinical departments.

For 1967 the William Mecklenburg Polk Prize awards for research were:

First prize: Robert S. Ennis

Second prize: Ronald C. Eggert

6. **THE WILLIAM C. THRO MEMORIAL FUND.** This fund was established in memory of William C. Thro '01, whose deep interest in and devotion to clinical pathology found expression in the teaching and practice of this subject in his alma mater continuously from 1910 to 1938. The prize award is given to the student who attains the best record in the clinical pathology course. The candidate for the prize is recommended by the Professor of Clinical Pathology.

7. **THE HERMAN L. JACOBUS PRIZE IN PATHOLOGY.** This prize was established in 1945 by a gift from Dr. Lawrence Jacobus and his friends in memory of his son, Dr. Herman L. Jacobus '39, who was killed in action in the Netherlands on September 28, 1944. The income from the fund is available annually to the student of the third- or fourth-year class who, in the opinion of the Department of Pathology, merits recognition for high scholastic attainments and outstanding performance in the subject of pathology. If, in any year, no student merits the distinction the award will be withheld.

8. **THE BORDEN UNDERGRADUATE RESEARCH AWARD.** The terms of this grant by the Borden Company Foundation, Inc., provide for an award of \$500 to a fourth-year student during any one calendar year. The award will be made under the following terms and conditions:

A. The award is presented at graduation to the student whose research has been determined by the Medical College to be the most meritorious performed by a member of the graduating class. The originality of the research project and the thoroughness of the investigation are the major determinants in the selection of the recipient.

B. If the Dean finds it inappropriate to make the award in any one year, the award will be deferred until the following year. Only one award, however, will be made during any one calendar year. To be considered for this prize, the theses must be submitted in quintuplicate to the Associate Dean's Office by April 15.

The Borden Prize for Research for the year 1967 was awarded to H. James Wedner.

9. **THE GOOD PHYSICIAN AWARD.** A silver desk tray, suitably inscribed, given by Dr. Philip Stimson, will be awarded at Commencement to that member of the graduating class who, by vote of the class, best exemplifies the intangible qualities of "*The Good Physician.*"

10. **CHARLES L. HORN PRIZE FUND.** The income from this fund will be awarded each year to the member of the graduating class who has demonstrated the most improvement in scholarship in the course of four years of study in the Medical College.

11. **THE SAMUEL HOLLANDER PRIZE.** The income from a fund established by bequest of Dr. Samuel Hollander is to be awarded to a worthy medical student as a prize for scholarship by the committee on scholarships.

12. **THE GUSTAVE J. NOBACK MEMORIAL FUND IN ANATOMY.** Established in 1962 in memory of Dr. Gustave J. Noback, who will be remembered for his great kindness and generosity to all his students, and also as a research worker and a sculptor. The income of this fund is to be awarded yearly, at the discretion of the professor in charge, to a student who has performed outstanding work in anatomy. This fund is made possible by the generosity of a student who wishes to remain anonymous.

13. **THE GUSTAVE J. NOBACK MEMORIAL FUND FOR ADVANCED STUDY AND TEACHING IN THE FIELD OF ANATOMY.** In 1963, a second fund to Dr. Gustave J. Noback, was established to help meet the needs of young men and women entering the field of anatomy for advanced study and teaching. The income of this fund is to be awarded yearly at the discretion of the professor in charge. This fund was made possible by a grateful student who wishes to remain anonymous.

14. **THE T. CAMPBELL THOMPSON PRIZE FOR EXCELLENCE IN ORTHOPEDIC SURGERY.** A gift in recognition of Dr. Thomp-

son's leadership in the teaching and practice of orthopedic surgery by his friends and associates on the staff of the Hospital for Special Surgery. The income from this gift is to be awarded yearly to that member of the graduating class of Cornell University Medical College who has demonstrated the greatest proficiency in orthopedic surgery. This award is to be made by the Dean upon recommendation of the faculty staff members of the Hospital for Special Surgery.

15. **THE HAROLD G. WOLFF RESEARCH PRIZE.** This prize is presented in memory of the late, famed Chief of Neurology at The New York Hospital-Cornell Medical Center, Dr. Harold G. Wolff. The prize consists of \$300 and a selection of writings which represent Dr. Wolff's most creative scientific contributions. The award is given to the medical student of any class who has completed the most outstanding piece of original research in the neurological or behavioral sciences. A written report of the research should be submitted in quintuplicate to the Associate Dean's Office by April 15.

16. **THE CLARENCE C. CORYELL PRIZE IN MEDICINE.** This prize was endowed by a bequest from Dr. Coryell, a graduate of the Medical College in 1903. The prize is to be awarded annually to the male student having the highest general average in medicine up to the end of his junior year.

17. **THE CLARENCE C. CORYELL PRIZE IN SURGERY.** This prize was endowed by a bequest from Dr. Coryell, a graduate of the Medical College in 1903. The prize is to be awarded annually to the male student who attains the highest marks in surgery during his fourth year.

18. **THE MITCHELL SPIVAK MEMORIAL PRIZE IN PEDIATRICS.** Various donors contributed to the endowment for this prize as a memorial to the father of Jerry L. Spivak, class of 1964. The prize is awarded annually to the member of the graduating class who has made the best record in pediatrics.

19. **NATIONAL FOUNDATION MERIT AWARD.** The National Foundation offers a Merit Award of \$250 to the medical student who is judged by the Committee on Prizes in Research to have written the best thesis, or equivalent, on any subject relating to birth defects. The thesis should be submitted in quintuplicate by April 15. For 1967, awarded to Albert B. Einstein, Jr.

20. **THE GEORGE S. MEISTER PRIZE IN PEDIATRICS.** This prize has been established in memory of Dr. George S. Meister '26, as an expression of the warm esteem in which he was held. The prize consists of income derived annually from a fund contributed by members of his family, close friends and associates, his classmates in chemical engineering at New York University, and his classmates in medicine at the Medical College. Awarded initially in 1967, the prize is given each year for efficiency in pediatrics to a member of the graduating class selected by the Department of Pediatrics.

ALPHA OMEGA ALPHA

Alpha Omega Alpha is a nonsecret Medical College honor society, membership in which is based upon scholarship, moral qualifications being satisfactory. It was organized at the College of Medicine of the University of Illinois, Chicago, August 25, 1902. A.O.A. is the only order of its kind on this continent.

Elections are made from students who have fully completed two years of a four-year curriculum, by unanimous vote of the active members acting on recommendations made by faculty advisers. Not more than one-sixth of any class may be elected. Open-mindedness, individuality, originality, demonstration of studious attitude, and promise of intellectual growth are considered aspects of true scholarship and indispensable to it.

The Cornell chapter of A.O.A. was organized May 2, 1910. A large number of the faculty are members. The chapter sponsors an annual open lecture delivered in the Medical College Auditorium on a cultural or historical phase of medicine.

Members elected from the graduating class of 1967 were: William J. C. Amend, Jr., Robert J. Binder, Albert B. Einstein, Jr., Yale L. Fisher, Kenneth M. Matchett, Jr., Richard S. Muchnick, Arthur C. Rettig, Jr., William L. Rutherford, Donald A. Schlernitzauer, Patrick W. Soles, Frederick P. Spin, H. James Wedner.

SIGMA XI

Sigma Xi, a national honorary society devoted to the encouragement of scientific research, was founded at Cornell University in Ithaca in 1886. An active branch of the Cornell chapter is maintained at the Medical College. Many members of the faculty and research staff are members of Sigma Xi and share in the activities of the Cornell chapter. Medical students are eligible for election to membership in Sigma Xi on the basis of proved ability to carry on original medical research and on nomination by active members of the Cornell chapter.

CORNELL UNIVERSITY MEDICAL COLLEGE ALUMNI ASSOCIATION, INC.

Officers

Milton Helpern '26, President
 Albert L. Rubin '50, Vice President
 Frederic T. Kirkam, Jr. '47, Secretary
 Henry Mannix, Jr. '50, Treasurer
 William A. Barnes '37, Chairman, Alumni Fund

Directors

- Three-Year Term:* John M. McLean '34; Richard Karl '44
Two-Year Term: Richard Flandreau '49; Walter F. Riker, Jr. M'43;
George Schaefer '37; Hilda Crosby Standish '28
One-Year Term: George N. Cornell '50; Alphonse E. Timpanelli '36
Executive Secretary: Carol Ashley

Quarterly Editorial Board

- Richard T. Silver '53, Editor
Donald Kaye, Faculty representative, Associate Editor
Lawrence Scherr '57, Associate Editor
John Larsen '68, Student Editor

Each graduate of Cornell University Medical College is automatically considered a member of the Alumni Association. Dues are \$10 a year, except for members of the three most recent graduating classes, whose dues are \$3 a year. The activities of the Association include an annual reunion and banquet, student and faculty parties, meetings and panel discussions on topics of general interest, and a placement service. The Association maintains an office in Room C-140. An annual appeal for unrestricted funds for the Medical College is made to the members of the Association.

EDUCATIONAL POLICIES AND PLAN OF INSTRUCTION

The Medical College is divided into thirteen major departments, seven of which are primarily concerned with the sciences underlying clinical medicine. They are anatomy, biochemistry, physiology, microbiology, pathology, pharmacology, and public health. Six departments have as their major functions the study, treatment, and prevention of human diseases, and maternity care. These are medicine, surgery, pediatrics, psychiatry, obstetrics and gynecology, and radiology.

The heads of these major departments, together with the President of the University and the Dean, constitute the executive faculty, which is responsible for the educational policies of the College.

Courses required to be completed by each student before the degree of Doctor of Medicine is conferred by Cornell University are offered by each department. These courses are arranged, in their sequence and duration, to develop logically the knowledge and training of students and to build up gradually the requirements needed for graduation as Doctor of Medicine. The various departments also offer courses and opportunities for special study open to regular medical students, to candidates for advanced degrees in the Graduate School of Cornell University, and to qualified advanced students of medicine not candidates for degrees.

Medical knowledge is so extensive that only a small part of that needed for a successful career in medicine can be acquired during the time devoted to medical study by the medical college curriculum. The time devoted by the prospective physician to his preparation for the practice of medicine includes at least one, and often many more, years of graduate medical education as intern or resident of a hospital, either in clinical or laboratory work or both. The required period of study at Cornell University Medical College extends over four academic years of at least thirty-three weeks each.

As medical science and medical practice may be pursued in a variety of ways, it is the policy of the College to encourage the student to vary his course of study according to his special interests and particular talents as far as is consistent with meeting the requirements for the degree of Doctor of Medicine.

A thesis is not required for the degree of Doctor of Medicine, but students are encouraged to engage in individual work as far as their time permits, with the hope that they may accomplish results worthy of publication. It is desirable, therefore, for some students to devote all their free time to a single subject in which they have a special interest.

The development of technical and scientific proficiency in the various special fields of clinical medicine is not encouraged during the regular medical course but must await adequate training after graduation.

The first year of study is devoted to anatomy, biochemistry, physiology, and a course in normal personality development.

In the second year the student takes up work in microbiology, para-

sitology, pathology, pharmacology, physical diagnosis, psychiatry, neurology, clinical pathology, and public health.

During the third and fourth years, students are divided into small groups for practical work in the various clinics and for elective work. The third-year class meets daily for clinical lectures and demonstrations.

ELECTIVE TIME. In addition to scheduled free time in the curriculum for the first three years, elective time is available in the second and fourth years. In the second year, five half-days in the third trimester have no scheduled classes and may be used to pursue elective courses of special interest to the student, or for individual research.

A five-month period of experience in investigative work is available for the student who wishes to continue during the summer a research project begun in the second-year elective time.

SUMMER FELLOWSHIPS. Several fellowships paying a stipend of \$750 are available for selected students who wish to participate in investigative work during the summers following the first and second years.

ONE YEAR RESEARCH FELLOWSHIPS. Any student seriously interested in investigative work in the basic or clinical medical sciences may apply for a year's leave of absence to pursue research in the field of his choice. Such research opportunities are available in all departments of the Medical College, and a leave will be considered for investigative work in other institutions. A number of fellowships are available to support such work. In general, it is most convenient to take the leave between the second and third years, but it may be considered at other times in the medical course.

COURSE IN MEDICAL WRITING. Lecturer: Mr. Milton L. Zisowitz. A series of lectures on medical writing is given one or more times each year. The course is open to faculty, students, and other interested members of the Center. Students are urged to take advantage of this unique opportunity for expert instruction in science writing by attending one of the series of lectures.

Mr. Zisowitz is also available, by appointment, to give editorial advice on the preparation of medical papers.

The faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without previous notice to students.



DESCRIPTION OF COURSES

ANATOMY

Roy C. Swan, Joseph C. Hinsey Professor of Anatomy, Chairman

Dorothea Bennett, Associate Professor of Anatomy
Dana C. Brooks, Associate Professor of Anatomy
James L. German III, Associate Professor of Anatomy
Wilbur D. Hagamen, Associate Professor of Anatomy
John MacLeod, Associate Professor of Anatomy
Thomas H. Meikle, Jr., Associate Professor of Anatomy
Leonard L. Ross, Associate Professor of Anatomy*
Julio L. Sirlin, Associate Professor of Anatomy

Michael A. Gershon, Assistant Professor of Anatomy
Myron Jacobs, Clinical Assistant Professor of Anatomy
John E. Lee, Clinical Assistant Professor of Anatomy
Elsa O'Donnell-Alvelda, Assistant Professor of Anatomy
Muriel Sackler, Assistant Professor of Anatomy
George Stassa, Assistant Professor of Anatomy
Benjamin D. Stinson, Assistant Professor of Anatomy

Instructor:

Chen Ya Huang

Research Associate:

Irene Geyer-Duszynska

Research Fellow:

Antonio P. de Oliveira

Assistant:

Joyce Howell

Sarah Winans

The study of medicine reasonably begins with the study of the normal structure of the human body, for the first question usually asked in any analysis of a biological system is what are its spatial relations, its form, its configuration, and the time courses of development of these spatial relations. This is the substance and this is the unique aspect of biological systems which constitute the anatomical sciences.

The objective is to bring this unique aspect of the human organism into focus for the first-year medical student, and to present the major structural concepts and principles. The presentation aims toward some appreciation of how these concepts have evolved, how these principles have been established, and what the outstanding questions are. The student is provided with first-hand experience in some of the methods of anatomy and is encouraged to understand the principles and major limitations of most of the modern methods of anatomy. Foregoing a comprehensive, but necessarily superficial, study of human structure, an analysis is offered of representative structures, aiming to develop in the student confidence and competence for further independent study of anatomy in the years ahead. For, however powerful and indispensable current anatomical concepts are in the analysis of medical

* On leave of absence

problems, they will eventually be replaced in the minds of the best physicians by much more powerful concepts.

The supervised study of anatomy, in the first and second trimesters of the first year, is organized into four courses for practical reasons. Gross anatomy is most effectively studied by regions; microscopic and developmental anatomy, by structural or functional systems. The brain and spinal cord are most effectively studied concurrently in their gross and microscopic aspects. A student studies under the direct supervision of one of five tutors. The correlation of understanding of structure gained from these courses is encouraged by participation of staff members as tutors in two or more of these courses in the same or successive years.

MICROSCOPIC ANATOMY. Selected concepts of fine structure as developed through light and electron microscopy, histochemistry, ultracentrifugation, x-ray diffraction analysis, tissue culture, and autoradiography are presented in lecture to indicate a pattern of study and depth of analysis which the student can be expected to apply to his informal study of cells and tissues not formally presented in lectures. A more comprehensive and systematic study of fine structure is made in the laboratory through a study of a loan collection of histological sections and electron micrographs, and through microscopic study of surviving tissues and cells. Modern research methods in phase, polarizing, fluorescence and electron microscopy, and in microtomy, cytochemistry, tissue culture, autoradiography, x-ray diffraction analysis and electron probe are demonstrated. The functional and biochemical significance of fine structure is developed. A term paper provides an experience in deeper inquiry and serves as an introduction to the library. Laboratory and lectures, 165 hours.

GROSS ANATOMY. Regional anatomy is studied principally through a thorough dissection of the human body. Lectures present selectively the more difficult regions and systems and are supplemented by demonstration dissections and films. Structural relations are also presented and discussed roentgenographically with emphasis on development, individual variation, and developmental abnormalities. Each student is loaned a disarticulated half skeleton and a complete set of normal roentgenograms. Laboratory and lectures, 246 hours.

NEUROANATOMY. The gross and microscopic structure of the brain and spinal cord is taught in the laboratory by study of serial sections through the entire brain stem in three different planes. Three-dimensional visualization is facilitated by gross dissection of human and other mammalian brains and by use of models. Special emphasis is placed on functional, experimental, and clinical aspects of neuroanatomy. Elective opportunity is offered for animal experimentation. Laboratory and demonstrations, 84 hours.

DEVELOPMENTAL ANATOMY & GENETICS. Lectures and laboratory are designed to help the student visualize basic embryological relationships, and to introduce him to fundamental concepts and problems of heredity. Lectures in embryology stress those areas of early development, organogenesis, and experimental embryology which clarify aspects of adult structure and function, and aid in understanding congenital defects. Lectures in genetics review basic Mendelian principles and extend to modern concepts applied to hereditary anomalies and disease, mutation, cytogenetics, developmental genetics, gene action, and population theory. 77 hours.

Elective Courses

A. GENETICS SEMINAR. Organized on basis of four semesters. Covers selected topics in rotation. Subjects for 1967-68 are: 1. (Fall, 1967-68.) Gene action and differentiation in higher organisms. 2. (Spring, 1968.) Human genetics and medical genetics. Drs. Bennett and German.

B. DEVELOPMENTAL BIOLOGY. A graduate course emphasizing fundamental problems of development in embryonic and post-embryonic systems and the level of current understanding as revealed by application of modern analytical methods. Two lectures each week for eleven weeks during the second semester; optional independent laboratory projects restricted to a limited number of students. *Prerequisite:* An undergraduate course in embryology, or the course, Developmental Anatomy and Genetics, which is required of first-year medical students at Cornell. Admission by permission of the instructor. Dr. Stinson.

GROSS ANATOMY FOR GRADUATES. Opportunity will be offered to a limited number of graduates in medicine for dissection of the human body.

ADVANCED STUDY AND RESEARCH. Opportunities for first- and second-year students to devote summer vacations and elective time to supervised study and investigation may be arranged individually with members of the staff. Predoctoral fellowships are available to students who are considering careers in preclinical science and who wish to interrupt their medical studies at the end of their second or third year to devote a full year to research in fine structure, experimental cytology, neuroanatomy, embryology, or genetics.

ANESTHESIOLOGY

Joseph F. Artusio, Jr., Professor of Anesthesiology, Chairman

Charles L. Burstein, Clinical Associate Professor of Anesthesiology
Benjamin E. Marbury, Clinical Associate Professor of Anesthesiology
Marjorie J. Topkins, Clinical Associate Professor of Anesthesiology
Alan Van Poznak, Clinical Associate Professor of Anesthesiology

Herbert L. Erlanger, Clinical Assistant Professor of Anesthesiology
George R. Monahan, Clinical Assistant Professor of Anesthesiology

Clinical Instructors:

Leslie L. Balasz
Raymond G. Barile
Dragan Borovac
Gabriel G. Curtis
John L. Fox

Alexander Gotta
Anita H. Goulet
Barnett Junker
Aileen F. Kass
Louis J. Maggio

Jerold Schwartz
David Susman
Leibert Turner
Judith K. Weingram
Peter W. T. Yu

Fellows:

Michael J. Brooks
Ching-Ming Chen
Michel Costes
Antonio A. Garcia
Paul L. Goldiner

Beinhard Hou
Parvin Javadi
Gregorio Javin
Maria L. Juttner
Raul N. A. Limjuco

Mohammed Radmanesh
Sirivan Ratanarat
Jack Schocoff
Yung Jai Sohn
Marilyn G. Sy

SECOND YEAR. The Department of Anesthesiology provides assistance in the teaching of Pharmacology. Anesthetic agents are considered not only as

depressants of the central nervous system but also as illustrations of the general pharmacological phenomenon of drug uptake and distribution. Assistance is also given in the teaching of drugs which affect respiratory mechanisms and participate in lectures, laboratories, demonstrations and student seminars.

During the summer between the second and third years, selected students are offered a preceptorship in anesthesiology under a program offered by the American Society of Anesthesiologists. In this preceptorship, students spend time in the operating rooms and laboratories, and see how the principles of pharmacology and physiology are put to practical use in the management of the anesthetized patient.

THIRD YEAR. Anesthesiology is taught by seminar discussion periods covering: History; the anesthetic state and preanesthetic medication; pharmacology of general anesthetic agents; coma and airway; resuscitation; balanced anesthesia; the muscle relaxants, adjuvants, hypotensive drugs; hypothermia techniques; effect of anesthesia in patients with cardiovascular disease; recent advances in anesthesia and trauma; local and regional techniques.

FOURTH YEAR. Clinical demonstration of the commonly used anesthetic agents and technique is presented in eight hourly sessions. Demonstration of the use of currently available ventilators is given.

Elective Courses

FOURTH YEAR. An eight-week elective course is offered to the students encompassing experience in administering anesthetics under the supervision of attending anesthesiologists. Experience performing the preanesthetic visit and the postanesthetic follow-up by the anesthesiologist. Instruction in the use of nerve block techniques to diagnose and treat acute and chronic pain. Experience in cardiac and respiratory resuscitation and the management of patients with acute and chronic respiratory insufficiency. The student may attend daily postgraduate seminars covering various aspects of anesthesiology.

A four-week elective course is offered to the student encompassing similar material offered in the eight-week elective involving fewer patients and a smaller variety of clinical situations.

An eight-week experience in research under the direction of Dr. Alan Van Poznak in the anesthesia laboratory. Experience in the development of the research method and the study of the events occurring at the nerve terminal in the cat, showing the effects of various anesthetic agents on this model. Experience in electronic recording using single nerve fiber techniques. The supervision of other research projects may be agreed upon by teacher and student and suitable research equipment will be provided.

MEMORIAL HOSPITAL

William S. Howland, Associate Professor of Anesthesiology

C. Paul Boyan, Assistant Professor of Anesthesiology
Olga Schweizer, Assistant Professor of Anesthesiology

Instructors:

Rita G. Jacobs

Gail M. Ryan

BIOCHEMISTRY

Alton Meister, Israel Rogosin Professor of Biochemistry, Chairman
 Julian R. Rachele, Professor of Biochemistry

Roy W. Bonsnes, Associate Professor of Biochemistry
 William D. Cash, Associate Professor of Biochemistry
 Aaron S. Posner, Associate Professor of Ultrastructural Biochemistry

Esther M. Breslow, Assistant Professor of Biochemistry
 Helena Gilder, Assistant Professor of Biochemistry
 Julius Golubow, Assistant Professor of Biochemistry
 Rudy H. Haschemeyer, Assistant Professor of Biochemistry
 S. Steven Hotta, Assistant Professor of Biochemistry
 Theodore A. Mahowald, Assistant Professor of Biochemistry
 Edward T. Schubert, Assistant Professor of Biochemistry
 Daniel Wellner, Assistant Professor of Biochemistry

Instructor:

John D. Termine

Research Associate:

Marian Orlowski

Fellows:

Robert A. Ronzio
 Gerald Rosenthal

William B. Rowe
 Suresh S. Tate

Vaira P. Wellner
 Sherwin Wilk

Assistants:

Richard W. Avenia
 William F. Bowers
 Jerald D. Gass
 Melvin B. Hayes

Bernard Horowitz
 Michael T. Huber
 Louise A. Lichtenberg
 Lawrence M. Pinkus

Margaret R. Trindle
 Roberta E. Weisbrod
 Peter O. Zelazo

GENERAL BIOCHEMISTRY. Given in the first year and designed to provide the student with a knowledge of the fundamentals of biochemistry and an appreciation of the molecular basis of biological phenomena. Instruction includes lectures, assigned readings, reports, and laboratory work on proteins, nucleic acids, enzymes, carbohydrates, fats, vitamins, hormones, and other compounds of biological importance. Consideration is given to metabolism, genetics, nutrition, and to the application of biochemical and biophysical principles to medicine. Lectures, conferences, and demonstrations. 33 hours, first term. 33 hours, second term. Conferences, demonstrations, and laboratory work. 154 hours, third term.

Elective Courses

ADVANCED BIOCHEMISTRY. Lectures and conferences on recent developments in biochemistry, for graduate students and qualified medical students. Hours to be arranged. Professor Meister and others.

BIOCHEMICAL PREPARATIONS AND TECHNIQUES. Laboratory work dealing with the isolation, synthesis, and analysis of substances of biochemical importance (enzymes, coenzymes, various metabolites, and intermediates), and study of their properties by various chemical and physical techniques. For graduate students and qualified medical students. Hours and credits to be arranged. The Staff.

RESEARCH IN BIOCHEMISTRY. By arrangement with the Chairman of the Department. Other courses are offered in advanced biochemistry. These courses, which are described in the *Announcement of the Graduate School of Medical Sciences*, are open to qualified medical students.

MEDICINE

Alexander G. Bearn, Professor of Medicine, Chairman
 Benjamin Alexander, Clinical Professor of Medicine
 Thomas P. Almy, Professor of Medicine
 Joseph H. Burchenal, Professor of Medicine
 Frank E. Cormia, Clinical Professor of Medicine (Dermatology)
 John E. Deitrick, Professor of Medicine
 Henry S. Dunning, Clinical Professor of Neurology in Medicine
 Murray Dworetzky, Clinical Professor of Medicine
 Aaron Feder, Clinical Professor of Medicine
 Richard H. Freyberg, Clinical Professor of Medicine
 Elliot Hochstein, Clinical Professor of Medicine
 Edward W. Hook, Professor of Medicine
 Frank L. Horsfall, Professor of Medicine
 David A. Karnofsky, Professor of Medicine
 B. H. Kean, Clinical Professor of Medicine (Tropical Medicine)
 Allyn B. Ley, Professor of Medicine
 E. Hugh Luckey, Professor of Medicine
 Carl Muschenheim, Clinical Professor of Medicine
 Fred Plum, Anne Parrish Titzell Professor of Neurology in Medicine
 Rulon W. Rawson, Professor of Medicine
 George G. Reader, Professor of Medicine
 Marvin B. Sleisenger, Professor of Medicine
 J. James Smith, Clinical Professor of Medicine
 David D. Thompson, Professor of Medicine
 Douglas P. Torre, Clinical Professor of Medicine (Dermatology)
 Robert F. Watson, Clinical Professor of Medicine

Samuel C. Atkinson, Clinical Associate Professor of Medicine
 Jeremiah A. Barondess, Clinical Associate Professor of Medicine
 David V. Becker, Associate Professor of Medicine
 E. Lovell Becker, Associate Professor of Medicine
 J. Robert Buchanan, Clinical Associate Professor of Medicine
 Henry A. Carr, Clinical Associate Professor of Medicine
 Aaron D. Chaves, Clinical Associate Professor of Medicine
 William N. Christenson, Clinical Associate Professor of Medicine
 George O. Clifford, Associate Professor of Medicine
 Eugene J. Cohen, Clinical Associate Professor of Medicine
 Betty S. Danes, Associate Professor of Medicine
 Farrington Daniels, Jr., Associate Professor of Medicine
 Paul De Gara, Clinical Associate Professor of Medicine
 John W. Dougherty, Clinical Associate Professor of Medicine
 William J. Eisenmenger, Clinical Associate Professor of Medicine
 Borje Ejrup, Clinical Associate Professor of Medicine
 Ralph L. Engle, Jr., Associate Professor of Medicine
 William T. Foley, Clinical Associate Professor of Medicine
 Alvin H. Freiman, Clinical Associate Professor of Medicine
 Constance Friess, Clinical Associate Professor of Medicine
 George W. Frimpter, Associate Professor of Medicine
 William Geller, Clinical Associate Professor of Medicine
 Sidney M. Greenberg, Clinical Associate Professor of Medicine
 Lawrence E. Hinkle, Jr., Associate Professor of Medicine
 Lawrence B. Hobson, Clinical Associate Professor of Medicine

Melvin Horwith, Clinical Associate Professor of Medicine
 Raymond W. Houde, Associate Professor of Medicine
 Abraham S. Jacobson, Clinical Associate Professor of Medicine
 Graham Jeffries, Associate Professor of Medicine
 William H. Kammerer, Clinical Associate Professor of Medicine
 George L. Kauer, Clinical Associate Professor of Medicine
 Donald Kaye, Associate Professor of Medicine
 Thomas Killip III, Associate Professor of Medicine
 Frederic T. Kirkham, Jr., Clinical Associate Professor of Medicine
 Gerald H. Klingon, Clinical Associate Professor of Neurology in Medicine
 Herbert Koteen, Clinical Associate Professor of Medicine
 John S. LaDue, Clinical Associate Professor of Medicine
 Richard Lee, Clinical Associate Professor of Medicine
 Charles S. Lieber, Associate Professor of Medicine
 Robert M. Lintz, Clinical Associate Professor of Medicine
 Mack Lipkin, Clinical Associate Professor of Medicine
 Martin Lipkin, Associate Professor of Medicine
 Edward J. Lorenze, Clinical Associate Professor of Medicine
 Donald B. Louria, Associate Professor of Medicine
 Daniel S. Lukas, Associate Professor of Medicine
 Aaron J. Marcus, Associate Professor of Medicine
 Ellen McDewitt, Associate Professor of Medicine
 Fletcher H. McDowell, Associate Professor of Neurology in Medicine
 Robert H. Melchionna, Clinical Associate Professor of Medicine
 W. P. Laird Myers, Associate Professor of Medicine
 Theodore W. Oppel, Clinical Associate Professor of Medicine
 Mary Ann Payne, Clinical Associate Professor of Medicine
 Ralph E. Peterson, Associate Professor of Medicine
 Jerome B. Posner, Associate Professor of Neurology in Medicine
 R. A. Rees Pritchett, Clinical Associate Professor of Medicine
 Donald Reis, Associate Professor of Neurology in Medicine
 William C. Robbins, Clinical Associate Professor of Medicine
 Thomas N. Roberts, Clinical Associate Professor of Medicine
 Bernard Rogoff, Clinical Associate Professor of Medicine
 David M. Roseman, Clinical Associate Professor of Medicine
 Sidney Rothbard, Associate Professor of Medicine
 Albert L. Rubin, Associate Professor of Medicine
 Paul Saville, Associate Professor of Medicine
 Brij Saxena, Associate Professor of Biochemistry in Medicine
 Lawrence Scherr, Associate Professor of Medicine*
 Arthur Seligmann, Clinical Associate Professor of Medicine
 Paul Sherlock, Clinical Associate Professor of Medicine
 Maurice E. Shils, Associate Professor of Medicine
 Richard T. Silver, Clinical Associate Professor of Medicine
 Donald J. Simons, Clinical Associate Professor of Neurology in Medicine
 Cyril Solomon, Clinical Associate Professor of Pathology in Medicine
 Martin Sonenberg, Associate Professor of Medicine
 Chester M. Southam, Associate Professor of Medicine
 Herman Steinberg, Clinical Associate Professor of Medicine
 Peter E. Stokes, Associate Professor of Medicine
 Richard W. Stone, Clinical Associate Professor of Medicine
 William D. Stubenbord, Clinical Associate Professor of Medicine
 Alphonse E. Timpanelli, Clinical Associate Professor of Medicine
 Parker Vanamee, Associate Professor of Medicine
 Byard Williams, Clinical Associate Professor of Medicine
 Felix Wroblewski, Clinical Associate Professor of Medicine

Robert Abel, Clinical Assistant Professor of Medicine
 Seymour Advocate, Clinical Assistant Professor of Medicine
 Anthony A. Antoville, Clinical Assistant Professor of Medicine

*On leave of absence

Lucien Arditi, Clinical Assistant Professor of Medicine
 George C. Armistead, Clinical Assistant Professor of Medicine
 Donald Armstrong, Assistant Professor of Medicine
 Lloyd T. Barnes, Clinical Assistant Professor of Medicine
 Curtis H. Baylor, Clinical Assistant Professor of Medicine
 Bry Benjamin, Clinical Assistant Professor of Medicine
 Carl A. Berntsen, Jr., Clinical Assistant Professor of Medicine
 Richard Bettigole, Assistant Professor of Medicine
 Robert Binford, Assistant Professor of Medicine
 Norman Brachfeld, Assistant Professor of Medicine
 Keeve Brodman, Clinical Assistant Professor of Medicine
 John L. Brown, Jr., Clinical Assistant Professor of Medicine
 Veronica Brown, Clinical Assistant Professor of Medicine
 Edward A. Burkhardt, Clinical Assistant Professor of Medicine
 Donald J. Cameron, Clinical Assistant Professor of Medicine
 Susan T. Carver, Assistant Professor of Medicine
 Hugh E. Claremont, Clinical Assistant Professor of Medicine
 Melva A. Clark, Clinical Assistant Professor of Medicine
 Bayard D. Clarkson, Assistant Professor of Medicine
 Ira B. Cohen, Clinical Assistant Professor of Medicine
 Denton S. Cox, Clinical Assistant Professor of Medicine
 Jean A. Cramer, Clinical Assistant Professor of Medicine
 Marion Davis, Clinical Assistant Professor of Medicine
 Milton Davis, Assistant Professor of Sociology in Medicine
 Monroe T. Diamond, Clinical Assistant Professor of Medicine
 Carolyn H. Diehl, Clinical Assistant Professor of Medicine
 Joseph Dougherty, Assistant Professor of Medicine
 Robert E. Eckardt, Clinical Assistant Professor of Medicine
 Elizabeth A. Eilers, Assistant Professor of Medicine
 Henry R. Erle, Clinical Assistant Professor of Medicine
 George C. Escher, Clinical Assistant Professor of Medicine
 Elaine Eyster, Assistant Professor of Medicine
 Thomas J. Fahey, Clinical Assistant Professor of Medicine
 John A. Finkbeiner, Clinical Assistant Professor of Medicine
 John T. Flynn, Clinical Assistant Professor of Medicine
 Eugene D. Furth, Assistant Professor of Medicine
 Horace T. Gardner, Clinical Assistant Professor of Medicine
 Martin Gardy, Assistant Professor of Medicine
 David L. Globus, Clinical Assistant Professor of Medicine
 Robert B. Golbey, Clinical Assistant Professor of Medicine
 George W. Gorham, Clinical Assistant Professor of Medicine
 Mary E. Goss, Assistant Professor of Sociology in Medicine
 Ernest Greenberg, Clinical Assistant Professor of Medicine
 Keith O. Guthrie, Clinical Assistant Professor of Medicine
 Thomas C. Guthrie, Clinical Assistant Professor of Neurology in Medicine
 Susan J. Hadley, Assistant Professor of Medicine
 Leonard L. Heimoff, Clinical Assistant Professor of Medicine
 Richard Herrmann, Clinical Assistant Professor of Medicine
 Raymond B. Hochman, Clinical Assistant Professor of Medicine
 Milton Hollenberg, Assistant Professor of Medicine
 Eugene L. Horger, Clinical Assistant Professor of Medicine
 Herbert I. Horowitz, Clinical Assistant Professor of Medicine
 Donald W. Hoskins, Clinical Assistant Professor of Medicine
 Martin Hyman, Assistant Professor of Sociology in Medicine
 Marian Isaacs, Assistant Professor of Medicine
 Norman Isaacs, Clinical Assistant Professor of Medicine
 Brian E. Johnson, Assistant Professor of Physiology in Medicine
 Anna Kara, Assistant Professor of Medicine
 J. Harry Katz, Clinical Assistant Professor of Medicine
 LeMoyne C. Kelly, Clinical Assistant Professor of Medicine
 Anne C. Kimball, Assistant Professor of Microbiology in Medicine
 John T. Kimball, Clinical Assistant Professor of Medicine

Henry Kirkland, Clinical Assistant Professor of Medicine
 Edward M. Kline, Clinical Assistant Professor of Medicine
 Irwin H. Krakoff, Assistant Professor of Medicine
 Henn Kutt, Assistant Professor of Neurology in Medicine
 Costas T. Lambrew, Clinical Assistant Professor of Medicine
 Charles S. La Monte, Assistant Professor of Medicine
 Harold L. Leder, Clinical Assistant Professor of Medicine
 Burton J. Lee III, Clinical Assistant Professor of Medicine
 John Lee, Clinical Assistant Professor of Neurology in Medicine
 Robert D. Leeper, Assistant Professor of Medicine
 Marjorie G. Lewisohn, Clinical Assistant Professor of Medicine
 Jerrold S. Lieberman, Clinical Assistant Professor of Medicine
 Luther B. Lowe, Jr., Assistant Professor of Medicine
 Glenn D. Lubash, Assistant Professor of Medicine
 Norton M. Luger, Clinical Assistant Professor of Medicine
 Nicholas T. Macris, Clinical Assistant Professor of Medicine
 Melville G. Magida, Clinical Assistant Professor of Medicine
 Mark R. Marciano, Clinical Assistant Professor of Medicine
 Klaus Mayer, Assistant Professor of Medicine
 Abraham Mazur, Clinical Assistant Professor of Medicine (Biochemistry)
 Richard R. McCormack, Clinical Assistant Professor of Medicine
 James F. McGovern, Clinical Assistant Professor of Medicine
 Paul R. McHugh, Assistant Professor of Neurology in Medicine
 George A. McLeomore, Jr., Clinical Assistant Professor of Medicine
 Allen W. Mead, Clinical Assistant Professor of Medicine
 Rhoda M. Michaels, Assistant Professor of Microbiology in Medicine
 Daniel G. Miller, Assistant Professor of Medicine
 David Molander, Clinical Assistant Professor of Medicine
 Ralph L. Nachman, Assistant Professor of Medicine
 Willibald Nagler, Assistant Professor of Medicine
 Irwin Nydick, Clinical Assistant Professor of Medicine
 Herbert F. Oettgen, Assistant Professor of Medicine
 Sydnor B. Penick, Clinical Assistant Professor of Medicine
 Francis S. Perrone, Clinical Assistant Professor of Medicine
 John Prunier, Clinical Assistant Professor of Medicine
 Jack Richard, Clinical Assistant Professor of Medicine
 Edgar A. Riley, Clinical Assistant Professor of Medicine
 Seymour H. Rinzler, Clinical Assistant Professor of Medicine
 Isadore Rosenfeld, Clinical Assistant Professor of Medicine
 Walter Rubin, Assistant Professor of Medicine
 Emmanuel Rudd, Clinical Assistant Professor of Medicine
 Paul Ruegsegger, Clinical Assistant Professor of Medicine
 Leonard Schuyler, Clinical Assistant Professor of Medicine
 Ernest Schwartz, Clinical Assistant Professor of Medicine
 Charles Sheard III, Clinical Assistant Professor of Medicine
 Edward M. Shepard, Clinical Assistant Professor of Medicine
 Gerald M. Silverman, Clinical Assistant Professor of Medicine
 James P. Smith, Assistant Professor of Medicine
 Chull Song, Assistant Professor of Medicine
 Lawrence S. Sonkin, Clinical Assistant Professor of Medicine
 Kurt Stenzel, Assistant Professor of Medicine
 Peter H. Stern, Clinical Assistant Professor of Medicine
 James C. Strickler, Assistant Professor of Medicine
 Marguerite P. Sykes, Assistant Professor of Medicine
 Jan C. van der Leun, Assistant Professor of Medicine (Physics)
 Louis J. Vorhaus II, Clinical Assistant Professor of Medicine
 Lila A. Wallis, Clinical Assistant Professor of Medicine
 Clinton G. Weiman, Clinical Assistant Professor of Medicine
 Aaron O. Wells, Clinical Assistant Professor of Medicine
 Anthony S. Werner, Assistant Professor of Medicine
 Charles A. Werner, Clinical Assistant Professor of Medicine
 Carl Wierum, Clinical Assistant Professor of Medicine

Sidney Winawer, Assistant Professor of Medicine
 A. Lee Winston, Clinical Assistant Professor of Medicine
 Charles W. Young, Assistant Professor of Medicine

Instructors:

Robert Ascheim	Joseph Hayes	Edmund O. Rothschild
H. Richard Beresford	Warren Johnson	Ellen Scheiner
Walter Degnan	Andre LeFerve	John Kelly Smith
Alexandra Dimich	Sidney Louis	Robert Timberger
Malin R. Dollinger	Carlton MacDonald	William E. Wallis
J. Donald Easton	Eladio Nunez	William G. Winters
Peter Harpel	Albert Ross	Samuel Yeh

Clinical Instructors:

Henriette E. Abel	Ralph A. Eskesen	Marianne Lindner
William A. Anderson	Edwin Ettinger	John F. Marchand
Ralph A. Baer	Claude E. Forkner, Jr.	Robert S. Martin
James S. Bernstein	David Gluck	N. Eileen McGrath
Harry Beinenstock	Howard Goldin	Donald McKaba
Alan A. Bloom	Maurice E. Goldman	Willis Murphy
Morton Blum	Marshall J. Hanley	Lewis Neporent
Aaron W. Bortin	Andrew W. Haraway	Martin Nydick
Warren S. Braveman	Herman G. Helpern	Normand Olivier
Samuel H. Brethwaite	Helene Holtz	Richard Perkins
Harrison O. Brown	Thomas P. Jernigan	Raymond E. Phillips
Walter A. Camp	Gary R. Joachim	Aurelia Potor
Vincent A. Cipollaro	Vincent Joy	Sanford M. Reiss
Burton D. Cohen	Richard J. Kaufman	Charles Ressler
Robert Collier	Ludwig Klein	Lawrence Scharer
C. Stephen Connolly	Neil Klein	Frederick G. Scovel
Francis P. Coombs	Bernard Kovon	Frank A. Seixas
C. Pinckney Deal, Jr.	Mortimer Lacher	Harry A. Sinclair
Peter de Nesnera	Martha Larsen	Alan G. Snart
Edgar G. Desser	James Ledwith	Katharine W. Swift
Robert E. Dye	Leo R. Lese	Florence A. Wilson
Alvin N. Ehrlich	Bruce C. Levy	Edward L. Worthington
Ernest R. Esakof	Charles M. Lewis	Stanley Yormack

Research Associates:

Bruce Belshaw	Philip Holzberger	Premila Rathnam
Frederick G. Bull	Anthony Imondi	Christian Rittner
Eleanor E. Deschner	Hisao Kitayama	Margaret E. Todd
Helen Goodell	Mituhiko Miura	Erna Werber

Research Fellows:

Lenore DeCarli	Masaka Kawade	Florence Ruderman
Christina B. Gidynski	Marcos Rivelis	Alice Ullmann

Fellows:

Isaac Abadi	James Bress	Monroe Dowling
Howard Adler	Hollister Brewster	Michael Earnest
Karl Adler	Albert Briccetti	Adrian Edwards
Michael Alderman	George Brooks	Edward S. Emery
Karl Anderson	Turner E. Bynum	Philip Eras
Sumner Auerbach	Richard Carruthers	Theodore Failmezger
William Baker, Jr.	Morton Coleman	Anthony Fauci
Martin Barandes	Joel Colker	Martin L. Feingold
Enrique Baraona	Robert Curran	Sidney Fillmore
Michael Bayer	Thomas da Cruz	Walter Gallmeier
Michael J. Bradford	Carter Davis	Timothy Gee
Robert Brennan	Bernard Diamant	Robert Geller

Charles Gerson
 Michael Goldstein
 Brian Goodell
 David Gordon
 John Grant
 Roscoe B. Guy
 Raymond L. Hargrove
 Arthur Hayes
 Bernard Heckman
 Jane S. Henkel
 Victor Hrehorovich
 Howard Hurtig
 Mark Kaplan
 Harvey Klein
 Martin Klein
 Susan Kline
 Marvin Kolodny
 Joel Krackow
 Peter Kuhn
 William C. Lane
 Waymon Lattimore
 Stanley V. Leblang
 J. Stauffer Lehman
 Matthew E. Levison
 Roger Lewis
 Philip Liebson
 Allan Lipton
 Michael Lockshin

William Ludwig
 Antonio Macedo
 Stephen Mallon
 Gerald Mandell
 Bento Mascarenhas
 Ira Mason
 Robert Mignone
 Alvin Mushlin
 Theodore Nagel
 David Nashel
 Bruce Nitzberg
 Jay Older
 George Omura
 Martha Omura
 Bergein F. Overholt
 Michele Palmieri
 Francis Parker
 Jacqueline Parthemore
 Carl Pinsky
 Adolpho Preciado-Solis
 Marshall Primack
 Marcus Raichle
 Freddy Revilla
 Robert Riggio
 Donald Roberts
 Humberto Rosas Herrara
 Richard Samaha
 Merle Sande

Rabin M. Sarda
 Carl Schiller
 Edward Schneider
 Robert Schnitzler
 Zalman Schrader
 Gabriel Schwartz
 Robert Schwartz
 Harvey Seidenstein
 Mario Shapiro
 George Shashaty
 Raymond Sherman
 Joseph Shields
 Henry Solomon
 Spotswood Spruance
 John Stauffer
 Charles Stringfellow
 Richard Sweet
 Thomas Swift
 Akemi Takekoshi
 Frank Tomao
 Edmund Tramont
 Thomas Tuttle
 Judith Vaitukaitis
 Edward Vigliano
 Gary Wadler
 Dale I. Webb

Lecturers:

William G. C. Monroe

Robert L. Yeager

Students begin their course in medicine with a required course in clinical pathology given in the third term of the second year under the direction of Dr. Hadley. It consists of lectures and laboratory work. Among the topics discussed are the theory, practice, and application of methods for the examination of urine, blood, sputum, exudates, transudates, spinal fluid, gastric contents, and feces. The methods studied include chemical, morphological, serological, and animal inoculation methods which are of value as diagnostic procedures. Discussion of the clinical significance of findings is included.

An introductory course in methods of clinical examination, commonly called physical diagnosis, is given in the third term of the second year. The subject is introduced by means of lectures, demonstrations, and practical work with normal subjects and patients. Practical work with patients is done on the pavilions of The New York Hospital, Bellevue Hospital, New York Veterans Administration Hospital, and at Memorial Center.

A course in neurologic diagnostic methods is given in the third term of the second year. The work consists of demonstrations and intensive training in the discipline of neurological examination. The students in groups of three or four are assigned to an instructor on the neurology service of Bellevue Hospital. This work coincides in time with the other training in physical diagnosis.

In each of the terms of the third year, one third of the class receives inpatient experience in medicine. The student group is divided equally between the New York Hospital under the direction of Dr. Bearn and Bellevue Hospital under the supervision of Dr. Almy. The medical pavilions of the New York Hospital comprise 126 beds. The Cornell Bellevue Medical Service has approximately 120 teaching beds. The service includes patients

with diseases of the nervous system and of the skin. These are under the care of subdepartments which are organized for teaching and clinical research as well as the management of patients. They are therefore analogous to independent departments of dermatology and neurology in other hospitals. An active pulmonary service is functioning in close cooperation with the surgical and pediatric services. There is close cooperation with the Department of Psychiatry in the study of the neuroses and early manifestations of psychoses found in the wards and outpatient service.

The crux of the student's experience in third-year medicine is believed to be his own experience with patients as amplified by reading and by contact with members of the hospital and teaching staff. Through this he learns the methods of patient study which are crucial in medicine. He is given as much responsibility as is practical, namely, the recording in the hospital records of his own histories and laboratory examinations. These, together with his physical examinations, are supervised by tutors, each of whom has responsibility for the supervision of a small group of students. Additional teaching consists of rounds with the visiting and house staff and more formal conferences once a week in which the clerks present cases for criticism and discussion. The aim is to cover the more important fields of internal medicine in these conferences. The work of the clerkships is supplemented by frequent clinical conferences which are held throughout the academic year. During the clinical clerkship the student receives further training in the evaluation of signs and symptoms of disease of the nervous system.

The instruction of the senior students is conducted in the Outpatient Department with the intent of offering experience in general medicine, neurology, dermatology, and other medical specialties. Practical work with patients is supplemented by seminars, demonstrations, and specialty conferences. This experience for seniors has been fused with the Medical Comprehensive Care and Teaching Program, description of which will be found below.

Clinical-pathological conferences organized by the Department of Pathology in conjunction with the clinical departments occur weekly throughout the year.

ELECTIVE EXPERIENCES. Opportunities for elective work and advanced research studies are available to a limited number of students in the following fields: allergy, cardiovascular disease, dermatology, endocrinology and metabolism, gastroenterology, hermatology, infectious disease, neuroanatomy, neurology, physical medicine, and renal disease.

Medical Comprehensive Care and Teaching Program

The course in comprehensive medicine occupies the major attention of the senior class during one-third of the fourth year. It is designed to be a synthesis of the many disciplines to which the medical student has been exposed and, as such, may be considered a laboratory course in patient care.

Both the Medical and Pediatric Clinics have been designed as Comprehensive Care Clinics in which, through the use of consultants, the diagnosis and treatment of patients are carried out with minimal referral to other clinics. In this exercise senior students play a responsible and functioning role.

Social factors in patient care are emphasized through participation of the staff of the New York Hospital Social Service Department. One social worker

has been appointed to coordinate the activities of this staff, as well as the services provided by community agencies. Similarly, Nursing Service provides consultation on the function and availability of community nursing resources.

Teaching of preventive medicine is the responsibility of a physician representing the department of public health.

Emotional aspects of disease are stressed through the participation of a selected group of psychiatrists from the Department of Psychiatry.

Representatives of the Department of Surgery and one from the department of Obstetrics and Gynecology provide appropriate consultation service in their specialties to the Comprehensive Care Clinics.

Part-time electives in medical and pediatric subspecialties, psychiatry, and laboratory research are offered each student in addition to the regular clinic work.

Dr. George G. Reader is in overall charge of the program in collaboration with Dr. Edward Liang from psychiatry and Dr. Barbara Ashe from pediatrics.

MICROBIOLOGY

William F. Scherer, Professor of Microbiology, Chairman
John Y. Sugg, Professor of Microbiology

William O. O'Leary, Associate Professor of Microbiology

Robert W. Dickerman, Assistant Professor of Microbiology
Donald W. Mackenzie, Assistant Professor of Microbiology
Elena I. Ottolenghi, Assistant Professor of Microbiology
Dieter H. Sussdorf, Assistant Professor of Microbiology

Fellow:

Bent F. Vestergaard

Visiting Fellow:

Francis J. Austin

Lecturer:

Irving Abrahams

The course is presented in the first and second trimesters of the second year and consists of laboratory experiments, lectures, and group discussions. The laboratory work includes an introduction to the procedures used in studying microorganisms, experiments on various physical and biological manifestations of antigen-antibody reactions, the actions of chemotherapeutic agents, a survey of the microbial flora of the upper respiratory and lower intestinal tracts of healthy humans, and an intensive study of the causal agents of specific infections, including fungi, spirochetes, rickettsiae, and viruses, as well as bacteria. The lectures are directed toward the development of basic concepts, particularly the principles involved in microbial growth, the principles underlying active immunization, and the factors that enter into host-parasite relationships. Emphasis is placed on aspects related to the etiology, pathogenesis, epidemiology, and the prevention of infectious disease. Special attention is also given to the immunological principles underlying such noninfectious conditions as hypersensitivity, autoimmunity, and rejection of tissue transplants.

For students who wish to carry out research, a limited number of opportunities are available in laboratories of the Department of Microbiology

under guidance of individual faculty. To provide time for this research, the student will be excused from presenting a seminar and preparing a term paper, and from certain laboratory sessions selected by an adviser.

Elective Courses

MICROBIOLOGY SEMINAR. Scheduled biweekly. Topics in microbiology and infectious diseases are presented in depth by faculty and graduate students of the Department of Microbiology and by visiting scientists from other institutions.

GRADUATE COURSES. Given during the eleven-week period corresponding to the third trimester of the medical school curriculum. Lectures are open to all interested persons. Laboratory sessions are generally limited to students taking the course for credit.

MICROBIAL CHEMISTRY AND PHYSIOLOGY. Yearly. Two lectures and two laboratory periods weekly. Lectures cover literature and methodology pertinent to physiochemical properties of microorganisms and their environments, the growth and death of microorganisms, chemical composition of cells and subcellular structures, nutritional requirements, microbiological assay and auxotrophic mutants, energy metabolism, degradations and biosyntheses, the physiology of pathogenesis, and important microbial products. Laboratory sessions provide experience with large-scale culture and recovery of cells, synthetic media, microbiological assay, extraction of cellular constituents, respirometry, and studies of substrate utilization employing radioactive metabolites. Minimum prerequisites for credit are: general microbiology, qualitative and quantitative analysis, organic chemistry, and at least one semester (or its equivalent) of biochemistry. Dr. O'Leary.

ADVANCED IMMUNOLOGY. Every second or third year. Two lectures and two laboratory periods weekly. Lectures emphasize current concepts regarding antigen and antibody structure, the physical and biological manifestations of antigen-antibody reactions, and recent developments in studies on the cellular basis of immunity, including antibody formation. The laboratory will cover the isolation, purification, and quantitation of antibodies, the critical measurement of antigen-antibody reactions, histological mechanisms during the immune process, and *in-vivo* effects of specific antigen-antibody reactions. Minimum prerequisites for credit are: introductory immunology (as given in courses in general microbiology) and at least one semester (or its equivalent) of biochemistry. A semester course in histology or microscopic anatomy is desirable. Dr. Sussdorf.

ADVANCED VIROLOGY. Every second or third year. In lectures and laboratory sessions, modern concepts and techniques of virology are presented. Virus structure, chemical composition, physical and biological properties, and relationships with host cells are considered in depth. Minimum prerequisites for credit are: general microbiology and at least one semester (or its equivalent) of biochemistry. Drs. Scherer and Sugg.

MICROBIAL GENETICS. Every second or third year. Two lectures and two laboratory sessions weekly. The lectures deal with genetic systems in fungi, bacteria, and bacterial viruses. Emphasis is placed on those basic concepts of genetics which have been elucidated by the study of microbial systems.

Laboratory experiments are designed to demonstrate some of the mechanisms of genetic recombination among microorganisms. Minimum prerequisites for credit are: general microbiology and at least one semester (or its equivalent) of biochemistry. A course in general genetics is desirable but not required. Dr. Ottolenghi.

Honorary Fellowships in Microbiology

The Department of Microbiology offers special honorary fellowships for the study of microbiology and the principles of infectious diseases in more depth than is possible during the ordinary medical school curriculum. During this special year of medical education, a student can participate full time in the teaching and research activities of the Department. He can teach medical students in the microbiology course, take selected graduate courses in this department and/or other departments, undertake research in a discipline or in microbiology under a faculty member of his choosing, obtain experience in the diagnostic microbiology laboratories of The New York Hospital, and attend microbiology seminars, infectious disease rounds, and other conferences. These activities might be termed the equivalent of an internship in microbiology, but they do not involve the service obligations that accompany clinical internships. This year of microbiology fellowship can be listed on a curriculum *vita*, and such experience might later be useful when qualifying for various board certifications. Similar honorary fellows at other medical schools have often become outstanding academicians in later years. A tax-exempt stipend accompanies this fellowship plus a dependency allowance. The fellowship can start in September or July after completion of the sophomore or junior year of medical school, and research initiated during the fellowship can be continued thereafter, especially during subsequent elective periods. Through the Graduate School of Medical Sciences and by completion of a research thesis in microbiology, a minor in another department, and one language requirement, a Master of Science degree may be obtained during the period of this fellowship and the remainder of the medical curriculum.

OBSTETRICS AND GYNECOLOGY

Fritz F. Fuchs, Given Foundation Professor of Obstetrics and Gynecology, Chairman
 Ralph W. Gause, Clinical Professor of Obstetrics and Gynecology
 Donald G. Johnson, Clinical Professor of Obstetrics and Gynecology
 Elmer E. Kramer, Clinical Professor of Obstetrics and Gynecology
 Charles M. McLane, Clinical Professor of Obstetrics and Gynecology

Roy W. Bonsnes, Associate Professor of Biochemistry in Obstetrics and Gynecology
 Myron I. Buchman, Clinical Associate Professor of Obstetrics and Gynecology
 E. William Davis, Jr., Clinical Associate Professor of Obstetrics and Gynecology
 Thomas F. Dillon, Clinical Associate Professor of Obstetrics and Gynecology
 William P. Given, Clinical Associate Professor of Obstetrics and Gynecology
 Oscar Glassman, Clinical Associate Professor of Obstetrics and Gynecology
 Arthur V. Greeley, Clinical Associate Professor of Obstetrics and Gynecology
 Graham G. Hawks, Clinical Associate Professor of Obstetrics and Gynecology
 Robert Landesman, Clinical Associate Professor of Obstetrics and Gynecology
 Stewart L. Marcus, Associate Professor of Obstetrics and Gynecology
 Richard A. Ruskin, Clinical Associate Professor of Obstetrics and Gynecology
 George Schaefer, Clinical Associate Professor of Obstetrics and Gynecology
 William J. Sweeney III, Clinical Associate Professor of Obstetrics and Gynecology

Hugh R. K. Barber, Clinical Assistant Professor of Obstetrics and Gynecology
 Carl G. Beling, Assistant Professor of Endocrinology in Obstetrics and Gynecology
 Stanley J. Birnbaum, Clinical Assistant Professor of Obstetrics and Gynecology
 Alfred Brockunier, Clinical Assistant Professor of Obstetrics and Gynecology
 Hector M. Cabot, Assistant Professor of Physiology in Obstetrics and Gynecology
 John T. Cole, Clinical Assistant Professor of Obstetrics and Gynecology
 David B. Crawford, Clinical Assistant Professor of Obstetrics and Gynecology
 Walter Freedman, Clinical Assistant Professor of Obstetrics and Gynecology
 Hortense Gandy, Assistant Professor of Endocrinology in Obstetrics and Gynecology
 Robert C. Knapp, Clinical Assistant Professor of Obstetrics and Gynecology
 Cyril C. Marcus, Clinical Assistant Professor of Obstetrics and Gynecology
 Frederick W. Martens, Clinical Assistant Professor of Obstetrics and Gynecology
 Irwin R. Merkatz, Clinical Assistant Professor of Obstetrics and Gynecology
 Bernard Nathanson, Clinical Assistant Professor of Obstetrics and Gynecology
 Melville A. Platt, Clinical Assistant Professor of Obstetrics and Gynecology
 John T. Queenan, Clinical Assistant Professor of Obstetrics and Gynecology
 Samuel F. Ryan, Clinical Assistant Professor of Obstetrics and Gynecology
 Selma Silagi, Assistant Professor of Genetics in Obstetrics and Gynecology
 E. Fletcher Smith, Clinical Assistant Professor of Obstetrics and Gynecology
 Robert E. Wieche, Clinical Assistant Professor of Obstetrics and Gynecology

Instructors:

Paul H. McCleary

Barry D. Smith

Clinical Instructors:

Naef K. Basile

Charles H. Bippart

Jerome H. Brander

John D'Urso

Vincent duVigneaud

Richard Hnat

Robert Livingston

Robert N. Melnick

Myles C. Morrison

Gideon Panter

Virginia K. Pierce

Frederick Silverman

Jay B. Skelton

E. Thomas Steadman

William D. Walden

Virginia Werden

Fellows:

Alan M. Blank

Jerald D. Buckley

Reuben A. Clay Jr.

Charles M. Culbert

James Russel Farina

Myron A. Hays

Richard P. Karoll

Edward Robert Kaye

H. David Kearing

Albert C. Lesneski

Philip B. Mead

Richard A. Niles

Austin M. Pattner

Thomas Quetel

Tove M. Raaschou-Nielsen

Joseph E. Ringland

William H. Robischon

Frederick W. Schweizer

Arthur G. Shapiro

G. Millard Simmons, Jr.

Frank J. Zlatnik

The Lying-In-Hospital, a division of The New York Hospital, provides 114 pavilion beds for teaching purposes in obstetrics and gynecology. In addition, the private service consists of a total of 85 beds. Students are given practical instruction in the Out-Patient Department clinics of both obstetrics and gynecology and in the various special clinics designed for the more intensive study and care of patients with unusual problems. The students are provided every opportunity to benefit from the clinical work as carried on and demonstrated on the wards and in the operating and delivery rooms.

There are approximately 6,000 adult admissions to the obstetrical service and 2,500 to the gynecological service each year.

Second Year

ORIENTATION AND INTRODUCTION TO GYNECOLOGICAL EXAMINATION. During the last trimester of the second year, one two-hour session on orientation in the discipline and review of basic and pertinent clinical anatomy is given to the entire class. Subsequently, two one-hour sessions

involving instruction in pelvic examination are given in groups of four students six days weekly. Four hours.

A limited number of students will be accepted by individual arrangement for summer work on research problems.

Third Year

COURSE I. THE THEORY AND PRINCIPLES OF OBSTETRICS AND GYNECOLOGY. Lectures and demonstrations covering the anatomy and physiology of the female reproductive system; the physiology and pathology of pregnancy, labor, and puerperium; and the etiology, pathology, and diagnosis of diseases of the pelvic structures.

The entire class meets for these sessions on Mondays and Saturdays, 8:30 to 9:30 A.M., throughout the year. Total hours, 66.

COURSE II. PRACTICAL INSTRUCTION. Given to one-sixth of the class for periods of one-half a trimester ($5\frac{1}{2}$ weeks) on Tuesdays and Thursdays, 9:30 A.M. to 11:30 A.M. Deals especially with physical diagnosis in both obstetrical and gynecological patients, and manikin exercise.

COURSE III. SEMINAR. Given to one-sixth of the class for periods of one-half of a trimester ($5\frac{1}{2}$ weeks) on Tuesdays and Thursdays, 11:30 A.M. to 12:30 P.M. Conducted on an informal basis; active student participation is encouraged. The subject matter pertains largely to obstetrical complications of pregnancy and labor.

COURSE IV. NEOPLASTIC DISEASES. Instruction in and discussion of the problems of malignant neoplastic disease and its early recognition. The basic concepts of radiation therapy, with emphasis on the application to malignant disease in the female generative tract. Given to one-third of the class each trimester. Mondays, 9:30 to 10:30 A.M.

COURSE V. OBSTETRICAL AND GYNECOLOGICAL PATHOLOGY. Laboratory instruction in obstetrical and gynecological pathology, both gross and microscopic. Given to one-third of the class each trimester. Mondays, 10:30 A.M. to 12:30 P.M. Total hours, 77 for Courses II, III, IV, and V.

Fourth Year

MAJOR PRACTICAL OBSTETRICS AND GYNECOLOGY. Comprises practical work in obstetrics and gynecology and is the sequel to the theoretical instruction offered to the third-year students. Each student will serve in the Lying-In Hospital for a period of $7\frac{1}{2}$ weeks, during which time he will act as a clinical assistant in the obstetrical and gynecological department; this includes activities in hospital wards, delivery and operating rooms, and clinics. Some students will be provided with sleeping accommodations. The student is expected to participate in all departmental teaching functions. Daily rounds are held on each floor to keep him informed on all activities in addition to those relating to his assigned patients.

The practical work includes the prenatal care of many patients, attending them in labor and delivery as well as following them throughout the course of the puerperium. Facilities are also provided for the student to examine

gynecological patients and to observe these patients through diagnostic and therapeutic procedures.

A conference is conducted each morning, 8 to 9 A.M., for those students assigned to the delivery floor. Problems encountered during the previous day are discussed. Active student participation is encouraged.

Because of the nature of the service, night and weekend work is required. Minimum hours allotted to the course, 285.

DEPARTMENTAL STAFF CONFERENCES AND ROUNDS. A weekly staff conference is held on Mondays from 4 to 5:30 P.M. and rounds on Fridays from 11 A.M. to 12:30 P.M. Symposia and instructive case reports are presented with student participation.

OBSTETRICAL AND GYNECOLOGICAL PATHOLOGY. Current representative pathological material with a brief clinical history and microscopic projection will be presented each Tuesday from 12:30 to 1:30 P.M.

SEMINARS. The four or five students assigned to gynecology meet each Wednesday and Thursday at 10 A.M.

SEMINAR IN REPRODUCTIVE PHYSIOLOGY. Periodic seminars in reproductive physiology embracing current aspects of the basic science as they are applied to obstetrics and gynecology. Held periodically on Thursdays at 4:00 P.M.

Elective Courses

PRACTICAL OBSTETRICS AND GYNECOLOGY. A limited number of students will be accepted to serve as assistants in different clinics.

Courses can be arranged in the chemical, bacteriological, and pathological laboratories for the study of specific research problems. The special clinics provide teaching facilities and opportunities for clinical investigation in neoplastic disease, endocrinology, heart disease, infertility, and other fields. The various rounds and staff conferences can be attended.

Encouragement is given for original work according to the departmental facilities and the student's capabilities and, in general, will be designed to meet the student's qualifications.

PATHOLOGY

A. Whitley Branwood, Associate Professor of Pathology, Acting Chairman

Milton Helpern, Visiting Professor of Pathology

John G. Kidd, Professor of Pathology

Robert C. Mellors, Professor of Pathology

Aaron Kellner, Clinical Associate Professor of Pathology

Robert W. McDivitt, Associate Professor of Pathology

George E. Murphy, Associate Professor of Pathology

Alfred M. Prince, Clinical Associate Professor of Pathology

Goetz W. Richter, Associate Professor of Pathology

John E. Seybolt, Clinical Associate Professor of Pathology

Richard M. Torack, Associate Professor of Pathology

Carl G. Becker, Assistant Professor of Pathology

Margaret H. S. Clements, Assistant Professor of Pathology

Jack W. C. Hagstrom, Assistant Professor of Pathology

90 PATHOLOGY

C. Richard Minick, Assistant Professor of Pathology
William W. Schlapfer, Assistant Professor of Pathology
Carolyn W. Watson, Clinical Assistant Professor of Pathology

Instructors:

Azak S. Eryol

Andrew H. Littell

Janet Mouradian

Visiting Fellow:

L. Whittington Gorham

Fellows:

Solange G. Abu-Nassar

Woodward Burgert, Jr.

Sunee Sanpakit

Daniel R. Alonso

Eun Sook Cho

Nadira Bandukwala

Young Ja Choi

Assistant:

Charlotte Street

Lecturers:

Arthur S. Carlson

Theodore Robertson

General Pathology

FACILITIES

The Department of Pathology occupies three floors of the central part of the College building, conveniently located above the library and in immediate contact with the Hospital, the autopsy room being in the connecting wing between College and Hospital. The teaching is largely concentrated on the third floor, where the autopsy room, demonstration room for pathological anatomy, anatomical museum, and classrooms are situated. The fourth and fifth floors are chiefly unit laboratories for staff members and graduate students and for technical preparation. In addition, animal quarters and facilities for experimental work are on the fifth, sixth, and seventh floors.

The museum contains a carefully selected collection of specimens, representing most of the common and many of the more unusual pathological lesions. It is especially rich in lesions of bones and in tumors. In addition to this mounted collection, a very considerable amount of constantly changing gross material is available for student study.

The postmortem service of the New York Hospital affords abundant opportunity for study of pathological anatomy and its relation to clinical medicine. The systematic records of autopsies performed at The New York Hospital have been preserved since 1851, and, in recent years, protocols and microscopic slides have been carefully indexed and filed.

INSTRUCTION. Instruction is given in the first and second terms of the second year. Gross and histological lesions are studied, and their pathogenesis and correlation with disturbed function are considered. Lectures and classroom demonstrations are supplemented by studies at the autopsy table. The course begins with the degenerations, inflammation, and repair, and proceeds with the various specific infections and tumors. The latter part of the course is devoted to special systematic pathology including an introduction to neuropathology.

GENERAL AND SPECIAL PATHOLOGY. Required in the first and second terms of the second year. Professor Branwood and staff. 264 hours.

NEUROPATHOLOGY. The pathology of the nervous system is studied, and altered structure and function are correlated. Professor Torak. 33 hours.

CLINICAL PATHOLOGICAL CONFERENCES. These conferences are held in cooperation with the staffs of the clinical departments of the Hospital and Medical College each week throughout the year. Observations concerning the clinical course and diagnosis of diseases are correlated with changes found at autopsy.

ELECTIVE COURSES. A student may undertake the investigation of some problem in pathology or may pursue advanced courses in any of the several fields to be determined by consultation with the heads of the departments. Research or elective courses will ordinarily require the entire time of the student for a period of one to three months and may be continued into the summer.

PEDIATRICS

Wallace W. McCrory, Professor of Pediatrics, Chairman
Paul F. De Gara, Clinical Professor of Pediatrics (Allergy)
Milton I. Levine, Clinical Professor of Pediatrics

Fred H. Allen, Jr., Clinical Associate Professor of Pediatrics
Peter A. McF. Auld, Associate Professor of Pediatrics
Charles H. Bauer, Clinical Associate Professor of Pediatrics
Leona Baumgartner, Clinical Associate Professor of Pediatrics
Samuel R. Berenberg, Clinical Associate Professor of Pediatrics
Mary A. Engle, Associate Professor of Pediatrics
Nathan Epstein, Clinical Associate Professor of Pediatrics
Marion E. Erlandson, Associate Professor of Pediatrics
John E. Franklin, Clinical Associate Professor of Pediatrics
James L. German III, Associate Professor of Pediatrics
Henry P. Goldberg, Clinical Associate Professor of Pediatrics
Edmund N. Joyner III, Clinical Associate Professor of Pediatrics
Philip Lankowsky, Associate Professor of Pediatrics
M. Lois Murphy, Associate Professor of Pediatrics
Bertrand L. New, Clinical Associate Professor of Pediatrics
S. Frank Redo, Clinical Associate Professor of Pediatrics
John C. Ribble, Associate Professor of Pediatrics
Maxwell Stillerman, Clinical Associate Professor of Pediatrics

Barbara S. Ashe, Assistant Professor of Pediatrics
Richard R. Bass, Clinical Assistant Professor of Pediatrics
Otto E. Billo, Clinical Assistant Professor of Pediatrics
Kathryn H. Ehlers, Assistant Professor of Pediatrics
Marvin J. Gersh, Clinical Assistant Professor of Pediatrics
Martin J. Glynn, Clinical Assistant Professor of Pediatrics
Julius Golubow, Assistant Professor of Biochemistry in Pediatrics
Margaret T. Grossi, Clinical Assistant Professor of Pediatrics
Herman Grossman, Assistant Professor of Pediatrics (Radiology)
James Q. Haralambie, Clinical Assistant Professor of Pediatrics
Peter Hathaway, Assistant Professor of Pediatrics
Margaret Hilgartner, Assistant Professor of Pediatrics
Margaret M. Kugler, Clinical Assistant Professor of Pediatrics
Aaron R. Levin, Assistant Professor of Pediatrics
Wan Ngo Lim, Assistant Professor of Pediatrics
Florence N. Marshall, Clinical Assistant Professor of Pediatrics
Armond V. Mascia, Clinical Assistant Professor of Pediatrics

Robert G. McGovern, Clinical Assistant Professor of Pediatrics
 Marion McIlveen, Clinical Assistant Professor of Pediatrics
 Virginia C. Mitty, Clinical Assistant Professor of Pediatrics
 Joan E. Morganthau, Clinical Assistant Professor of Pediatrics
 Maria I. New, Assistant Professor of Pediatrics
 Hart deC. Peterson, Assistant Professor of Neurology in Pediatrics
 Lee Salk, Clinical Assistant Professor of Psychology in Pediatrics
 Alfred L. Scherzer, Assistant Professor of Pediatrics
 Edward T. Schubert, Assistant Professor of Biochemistry in Pediatrics
 Madoka Shibuya, Assistant Professor of Pediatrics
 David I. Smith, Clinical Assistant Professor of Pediatrics
 Martha L. Smith, Clinical Assistant Professor of Pediatrics
 Charlotte T. C. Tan, Assistant Professor of Pediatrics
 Peter S. Tolins, Clinical Assistant Professor of Pediatrics
 Myron Winick, Assistant Professor of Pediatrics
 Stanley S. Zipser, Clinical Assistant Professor of Pediatrics

Instructors:

Allan I. Bezan	Irving Fish	Norma W. Sternberg
Virginia C. Canale	John P. Howard	Lisa Tallal
Nancy Edwards	Luther B. Lowe, Jr.	

Clinical Instructors:

Peter Axel	Philip W. H. Eskes	Virginia E. Pomeranz
Marvin Boris	Diane B. Gareen	Irwin Rappaport
Renee Brilliant	Doris K. Goldberg	Reuben H. Reiman
Mary C. Buchanan	David Krayanek	William T. Seed
Walter T. Carpenter	Lenore S. Levine	Beatrice S. Slater
Benedict Caterinichio	Karl Neumann	Josef Soloway
Leon I. Charash	Rebecca F. Notterman	Alvah M. Weiss
Alan P. DeMayo	Ruth D. Peters	
Joseph H. DiLeo	Olive E. Pitkin	

Research Associates:

Luisella C. Crippa	Belle Granich	Helen McNamara
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Fellows:

V. D. Bhardwaj	Peter Hope	Eberhard Passarge
Kenneth Bradford	Gen Isshiki	Mary Passarge
Paula Brill	Frederic Kleinberg	Teresa Procupez
Leslie Bullock	Alfred N. Krauss	Gerald Rosen
Laurence Carnay	Victor Lamberto	Richard SanMiguel
Peter Farnsworth	Ernst Leumann	Gerald Spielman
Anne Gershon	Roy Lieberman	Joel Steckelman
Angela C. Gilladoga	Iris Litt	Harvey Triebwasser
Edgar C. K. Ho	Melville G. Magida	Judith Welsh

Lecturer:

Virginia Apgar (Teratology)

THIRD YEAR. A clinical lecture once a week throughout the entire school year presents the subjects of normal growth and development in infants and children, principles of genetics and nutrition, and peculiarities of disease in early life. Students serve as clinical clerks on the pediatric pavilions of The New York Hospital. They are assigned new cases in rotation and gain experience in diagnosis and in the management of sick children who require hospital residence. Night and weekend rotations are scheduled on the Pediatric and Emergency pavilions. Special rounds and seminars are arranged for the clerks; they also attend regular departmental conferences and rounds.

FOURTH YEAR. The students' activities are part of the Ambulatory Care Program. Each student spends one morning a week in the Pediatric Outpatient Department where he is given supervised responsibility for the diagnosis and management of ambulatory pediatric patients. Several sessions in the Well-Baby Clinic are also scheduled. Rotations in the Pediatric Emergency Unit are scheduled in the evenings and on weekends. A series of seminars dealing with ambulatory pediatric problems are also held. Total hours, 70.

Elective Courses

FOURTH YEAR. Elective courses are offered in clinical and research activities. Full-time or part-time programs in the Outpatient Department are available. Participation in a number of subspecialty programs of a clinical, research, or combined clinical-research emphasis can be arranged individually with members of the department.

PHARMACOLOGY

Walter F. Riker, Jr., Professor of Pharmacology, Chairman
Walter Modell, Professor of Pharmacology

Amir Askari, Associate Professor of Pharmacology
Jack P. Green, Associate Professor of Pharmacology
Raymond W. Houde, Associate Professor of Pharmacology

William T. Beaver, Assistant Professor of Pharmacology
Walter W. Y. Chan, Assistant Professor of Pharmacology
Roberto Levi, Assistant Professor of Pharmacology
Barrie Levitt, Assistant Professor of Pharmacology
Michiko Okamoto, Assistant Professor of Pharmacology
Alan Van Poznak, Clinical Assistant Professor of Pharmacology

Instructor:

Arthur Raines

Research Fellows:

Richard Bittner
Gary Citrin
Arthur H. Hayes

Patrizia Levi
M. Oskoui

Haruhiko Sato
Yung Jai Sohn

Assistant:

Srinivas N. Rao

SECOND YEAR. Laboratory work, demonstrations, seminars, are given during the first and second terms of the second year and constitute the basic course in pharmacology. The purpose of these exercises is to teach the principles of pharmacology. Detailed consideration is given to the parameters of drug action so as to provide the student with the fundamental concepts essential for the evaluation of any drug. Consequently, emphasis is placed on the scientific basis of pharmacology. Prototype drugs, considered essentially systemically, serve to illustrate several mechanisms and parameters of drug action. Therapeutic applications are considered only insofar as they illustrate principles of pharmacology or drug hazards. 154 hours.

Elective Courses

SECOND YEAR. Elective opportunities will be made available to the student during his free time in the second year. In this, the student may have the opportunity either to ascertain the pharmacologic profile of newer drugs, through application of principles introduced during the basic course, or to clarify, through research, some particular aspect of drug action. These activities are supervised closely by staff members and oriented as a graduate experience.

Fourth Year

SEMINAR. Pharmacologic Bases of Therapy. A series of one hour seminars are held weekly. In these, drug treatment used in a specific case furnishes the focus for the development of a pharmacologic discussion. Emphasis is on a reexamination of the pharmacologic rationale for a particular therapy. Also students are directed in searching out essential information on newly introduced medicinals. Members of clinical departments are invited to participate.

Offered during fifteen-week period on ambulatory care.

RESEARCH. Arrangements will be made for individuals or groups to participate in original investigations with a view to learning the methods of pharmacological research. Special opportunities are offered for work on the pharmacology of synaptic transmission, the cardiovascular system and biochemical aspects of pharmacology.

Research in clinical pharmacology permits individuals to participate in drug evaluations with emphasis on the design of methods and experiments.

Recommended time: fifteen-week elective period.

BIostatistical SEMINAR. Sponsored jointly by the Departments of Pharmacology and Public Health.

Meets weekly throughout the academic year to consider statistical procedures and theory, much of which is especially relevant to quantitative pharmacology. The topics considered include least squares theory, hypothesis testing with the conventional "t" test and chi-square procedures, analysis of variance, and probit analysis.

PHYSIOLOGY AND BIOPHYSICS

Robert F. Pitts, Professor of Physiology, Chairman*

Gerhard H. Giebisch, Professor of Physiology

Roger L. Greif, Professor of Physiology, Acting Chairman

Harold G. Hempling, Associate Professor of Physiology

Richard H. Kessler, Clinical Associate Professor of Physiology

Erich E. Windhager, Associate Professor of Physiology

Sulamita Balagura, Assistant Professor of Physiology

Colin Fell, Assistant Professor of Physiology

Lou Ann Pilkington, Assistant Professor of Physiology

*On leave of absence

Research Fellows:

Mary Lou Lyon

James P. Noone

David M. Roxe

The instruction in physiology and biophysics is concentrated in the second and third terms of the first year. Prerequisites include a basic knowledge of chemistry and physics and at least some knowledge of anatomy, neuroanatomy, and biochemistry. The second term is devoted to lectures and conferences and the third term to laboratory, lectures, and conferences.

The instruction in physiology and biophysics is directed toward an understanding of the principles involved in the functioning of the human body and of the means by which the functions of the various organ systems are integrated. Lectures are supplemented by references to current literature. The department is fortunate in having, on the fourth floor of its building, the Graham Lusk Library of Physiology, a gift to the department from its late Professor, Graham Lusk. This includes bound volumes of complete sets of the important physiological and biochemical literature, monographs, handbooks, and textbooks, and is being supplemented by some of the current journals and monographs. In addition to the College library, the facilities of this library are at the disposal of the students of medicine.

The laboratory work includes a number of human experiments, emphasizes mammalian physiology, and is directed toward quantitative determinations. The laboratory experiments are chosen to illustrate fundamental principles in the respective fields of physiology and are correlated with lectures by means of conferences. The demonstrations include instruction in specialized techniques, experimental preparations, and presentation of clinical cases. These are facilitated by the participation and cooperation of staff members of various departments in the Medical College and The New York Hospital.

SECOND TERM. Lectures and conferences on bioelectric phenomena, nerve, muscle, special senses, blood, circulation, respiration, and gastrointestinal function. 44 hours.

THIRD TERM. Laboratory work on all phases of physiology and biophysics including applications of radioisotopic methods to the study of body function. Conferences are largely devoted to a consideration of laboratory results and to the presentation of patients who exhibit functional disturbances. Lectures on metabolism, central nervous system, endocrinology, body fluids, and kidney. Laboratory-exercises two full days each week. 187 hours.

A course in radiobiology is sponsored by the department of physiology, but presented in cooperation with the Departments of Radiology, Pathology, Microbiology, Biochemistry, and Medicine. The course includes discussions of the nature of ionizing radiation, the effects of ionizing radiation at molecular and cellular levels, radiopathology, the genetic effects of radiation, radiation protection, and the use of radioisotopes in medical research. 11 hours of lecture.

ELECTIVE COURSES. A seminar course in Topics in Biophysics and one in Fluid and Electrolyte Balance are offered to selected students during their second-year elective time. An opportunity is offered to not more than five students during their second-year elective period to participate as laboratory instructors in physiology. Research work for medical students during second- and fourth-year elective periods and for members of any class during summer vacation periods will be arranged on consultation with members of the department.

Courses Open to Special Students

1. PHYSIOLOGY. Fee, \$100 for each term.
2. PHYSIOLOGICAL RESEARCH. Subject to special arrangement with head of the department.

PSYCHIATRY

William T. Lhamon, Professor of Psychiatry, Chairman
Sanford Goldstone, Professor of Psychology in Psychiatry
Francis J. Hamilton, Clinical Professor of Psychiatry
William N. Schoenfeld, Clinical Professor of Psychology in Psychiatry

Barbara J. Betz, Associate Professor of Psychiatry
Eric T. Carlson, Clinical Associate Professor of Psychiatry
Helen E. Daniells, Clinical Associate Professor of Psychiatry
Frederic F. Flach, Clinical Associate Professor of Psychiatry
Donald M. Hamilton, Clinical Associate Professor of Psychiatry
Lawrence E. Hinkle, Jr., Clinical Associate Professor of Medicine in Psychiatry
Ari Kiev, Clinical Associate Professor of Psychiatry (Social Psychiatry)
Richard N. Kohl, Associate Professor of Psychiatry
Edward Y. Liang, Clinical Associate Professor of Psychiatry
James F. Masterson, Jr., Clinical Associate Professor of Psychiatry
Robert S. McCully, Associate Professor of Psychology in Psychiatry
Thomas H. Meikle, Jr., Associate Professor of Neuroanatomy in Psychiatry
Bertrand L. New, Clinical Associate Professor of Psychiatry
Leon L. Rackow, Clinical Associate Professor of Psychiatry
Arthur K. Shapiro, Clinical Associate Professor of Psychiatry
Albert C. Sherwin, Clinical Associate Professor of Psychiatry
Peter E. Stokes, Associate Professor of Medicine in Psychiatry
Nathaniel Warner, Clinical Associate Professor of Psychiatry
Elliott L. Weitman, Clinical Associate Professor of Psychiatry
Livingston Welch, Clinical Associate Professor of Psychology in Psychiatry

Arthur A. Anderson, Jr., Clinical Assistant Professor of Psychiatry
Jason Aronson, Clinical Assistant Professor of Psychiatry
Edmund A. Bashkin, Clinical Assistant Professor of Psychiatry
Albert N. Browne-Mayers, Clinical Assistant Professor of Psychiatry
M. David Clayson, Assistant Professor of Psychology in Psychiatry
Harrison P. Eddy, Clinical Assistant Professor of Psychiatry
Farouk F. Faragalla, Assistant Professor of Biochemistry in Psychiatry
Bernard Fisher, Clinical Assistant Professor of Psychology in Psychiatry
Gerard Fountain, Clinical Assistant Professor of Psychiatry
Nicholas Freydberg, Clinical Assistant Professor of Psychology in Psychiatry
Lionel O. Friedman, Clinical Assistant Professor of Psychiatry
Myron L. Glucksman, Clinical Assistant Professor of Psychiatry
Stephen Goodyear, Clinical Assistant Professor of Psychiatry
Thomas S. Harper, Clinical Assistant Professor of Psychiatry
Lawrence J. Hatterer, Clinical Assistant Professor of Psychiatry
Thomas F. Henley, Clinical Assistant Professor of Psychiatry
John E. Hughes, Clinical Assistant Professor of Psychiatry
Peter T. Janulis, Clinical Assistant Professor of Psychiatry
A. Bradford Judd, Clinical Assistant Professor of Psychiatry
Francis D. Kane, Clinical Assistant Professor of Psychiatry
Marilyn G. Karmason, Clinical Assistant Professor of Psychiatry
Avraam T. Kazan, Clinical Assistant Professor of Psychiatry
Seymour G. Klebanoff, Clinical Assistant Professor of Psychology in Psychiatry
Robert G. Knight, Clinical Assistant Professor of Psychiatry
Bernard Landis, Clinical Assistant Professor of Psychology in Psychiatry

Allison B. Landolt, Clinical Assistant Professor of Psychiatry
 Ludwig G. Laufer, Clinical Assistant Professor of Psychiatry
 Robert E. Lee, Clinical Assistant Professor of Medicine in Psychiatry
 Alfred B. Lewis, Jr., Clinical Assistant Professor of Psychiatry
 Laurence Loeb, Clinical Assistant Professor of Psychiatry
 Armand W. Loranger, Clinical Assistant Professor of Psychology in Psychiatry
 William V. Lulow, Clinical Assistant Professor of Psychiatry
 Paul R. McHugh, Assistant Professor of Neurology in Psychiatry
 Robert A. McKinley, Assistant Professor of Psychiatry
 William K. McKnight, Assistant Professor of Psychiatry
 Alan A. McLean, Clinical Assistant Professor of Psychiatry
 Jack Meislin, Clinical Assistant Professor of Psychiatry
 Stanley T. Michael, Clinical Assistant Professor of Psychiatry
 Harry H. Moorhead, Clinical Assistant Professor of Psychiatry
 Sydnor B. Penick, Clinical Assistant Professor of Medicine in Psychiatry
 Jacques M. Quen, Clinical Assistant Professor of Psychiatry
 Fred V. Rockwell, Clinical Assistant Professor of Psychiatry
 Lee Salk, Clinical Assistant Professor of Psychology in Psychiatry
 Sirgay Sanger, Assistant Professor of Psychiatry
 Marie-Louise Schoelly, Clinical Assistant Professor of Psychiatry
 Michael A. Selzer, Clinical Assistant Professor of Psychiatry
 David E. Sobel, Clinical Assistant Professor of Psychiatry
 James H. Spencer, Jr., Clinical Assistant Professor of Psychiatry
 Tom G. Stauffer, Clinical Assistant Professor of Psychiatry
 Leonard R. Straub, Clinical Assistant Professor of Psychiatry
 Joseph D. Sullivan, Clinical Assistant Professor of Psychiatry
 Bettina Warburg, Clinical Assistant Professor of Psychiatry
 Henriette L. Wayne, Clinical Assistant Professor of Psychiatry
 William D. Wheat, Clinical Assistant Professor of Psychiatry
 Peter G. Wilson, Clinical Assistant Professor of Psychiatry
 Alvin R. Yapalater, Clinical Assistant Professor of Psychiatry

Instructors:

Jane F. O'Neil

Edward E. Seelye

Porter H. Warren

Clinical Instructors:

Edward T. Adelson
 Norman Altman
 Joseph Arcuri
 Ralph D. Baker
 Harvey H. Barten
 James E. Baxter
 Thomas Beckett
 Marvin B. Blitz
 James W. Brown
 Alexander Carlen
 Robert S. Carson
 Charles I. Celian
 Remo R. Cerulli
 Edwin H. Church
 Howard N. Cooper
 Lois B. de Alvarado
 John R. Delaney
 Thomas L. Doyle, Jr.
 Samuel V. Dunkell

Stuart R. Edelson
 Simon J. Epstein
 Rosemary B. Felton
 G. Renee Ferguson
 Theodore H. Finkle
 Maria Freile Fleetwood
 Philip S. Herbert
 Daniel N. Hertz
 M. Dorothea Kerr
 Howard D. Kibel
 Mary M. Knight
 Henry J. Lefkowitz
 Arnold S. Maerov
 Rene C. Mastrovito
 Lillian E. McGowan
 John F. McGrath
 Wayne A. Myers
 Maurice Pachter
 Esra S. Petursson

Robert B. Poundstone
 Edwin R. Ranzenhofer
 Martha K. Reese
 David B. Robbins
 Philip S. Robbins
 George Samios
 Max Spital
 John B. Stadler
 Michael S. Stockheim
 C. Neil Taylor
 Sylvia G. Traube
 Kenneth F. Tucker
 Traer Van Allen
 Morton L. Wadsworth
 James R. Ware
 Louis Weinstein
 Alden E. Whitney

Research Associates:

Robert Fried

Sam Korn

Fellows:

Martin G. Allen
 Richard N. Besley

Lawrence M. Bloom
 James J. Cadden

Doo-Young Cho
 Mary V. DiGangi

Lawrence A. Downs
 Rudolph E. Ehrensing
 Roland J. Foraste
 Nikolas Golosow
 Harold A. Hamer
 Harold Kaufman
 Kim A. Keeley
 Irving S. Kolin

Leo E. Kreuz
 Robert J. MacMurray
 Walter J. Muller
 Doris B. Nagel
 Salvatore J. Pagliaro
 Michael J. Patton
 Louis Richnak, Jr.
 George J. Roff

Jack G. Schoenholtz
 Penelope K. Sullivan
 Katharine W. Swift
 Agop Taschian
 Eugene F. Vitori
 Kenneth F. Von Roenn
 Geoffrey B. Wright

Research Fellows:

Stephen R. Kern

Dorothy Ross

Meribeth Simpson

The Department of Psychiatry offers instruction during each of the four years. The understanding of development of the normal personality forms a necessary basis for future clinical training. A course in psychopathology in the second year orients the student in personality disorders and in the methods of their examination and study. In the third year, this preliminary training is utilized in the study of patients at the Payne Whitney Psychiatric Clinic and on the pavilions of The New York Hospital. In the psychiatric outpatient department, during the fourth year, the student participates in the study and treatment of the diverse problems presenting themselves in general psychiatric practice. The importance of personality problems in general medicine is taught in the pavilions of The New York Hospital, in the Comprehensive Care and Teaching Program, and in the outpatient service of the Payne Whitney Psychiatric Clinic. Clinics are planned to unify these many activities and to offer in addition a broad understanding of treatment and investigation.

FIRST YEAR: MEDICAL ASPECTS OF HUMAN BEHAVIOR. Students are presented with selected topics from the various behavioral science fields considered to be relevant to psychiatry. Synthesis and interrelations of theoretical and experimental findings in behavioral studies will be provided. Clinical relevance to psychopathology will be noted, as well as current medically useful methods of examining behavior. Total hours, 33.

SECOND YEAR: PSYCHOPATHOLOGY AND METHODS OF EXAMINATION. The outstanding psychopathological phenomena are demonstrated and their psychodynamics studied by the students on patients in the outpatient department of the Payne Whitney Psychiatric Clinic. Offers practical experience in interviewing and history taking, and in the methods of psychiatric examination. Total hours, 33.

THIRD YEAR: CLINICAL PSYCHIATRY. Intended to clarify the descriptive and dynamic aspects of the major types of psychiatric disorders in such a way that the student will be able to formulate goals and method of treatment in all patients. The program includes lectures, seminars, and case discussions. Students examine and follow inpatients at the Payne Whitney Psychiatric Clinic; in addition, patients from the general hospital are reviewed. Total hours, 33.

FOURTH YEAR: CLINICAL PSYCHIATRY. In the outpatient department of the Payne Whitney Psychiatric Clinic, the student carries out the treatment of individual patients. Offers an opportunity to learn psychotherapy under close supervision and to understand the role of psychiatric social service and of psychological studies in the adjustment of these patients. Clinics with case presentation, with emphasis on psychiatric treatment and review of literature, are given on Wednesday from 2 to 3 o'clock. Total hours, 99.

ELECTIVE WORK. Opportunities for elective work are provided in the in-patient and outpatient departments, on the metabolic unit, in the laboratories of the Payne Whitney Psychiatric Clinic, in the Program in Social Psychiatry, and at the Westchester Division of The New York Hospital, White Plains, N.Y.

PUBLIC HEALTH

Walsh McDermott, Livingston Farrand Professor of Public Health, Chairman
 Leona Baumgartner, Clinical Professor of Public Health
 William T. Ingram, Visiting Professor of Engineering in Public Health
 Edwin D. Kilbourne, Professor of Public Health

Kenneth G. Johnson, Associate Professor of Public Health
 Jerome L. Schulman, Associate Professor of Public Health

Samuel R. Berenberg, Clinical Assistant Professor of Public Health
 Aaron D. Chaves, Clinical Assistant Professor of Public Health
 Floyd M. Feldmann, Assistant Professor of Public Health
 August H. Groeschel, Assistant Professor of Public Health
 Ann P. Kent, Clinical Assistant Professor of Public Health
 Robert M. McCune, Assistant Professor of Public Health
 Philip Ollstein, Clinical Assistant Professor of Public Health
 David Schottenfeld, Clinical Assistant Professor of Public Health
 Melvin S. Schwartz, Assistant Professor of Public Health
 Katsuhiko Yano, Assistant Professor of Public Health

Clinical Instructors:

Gladys L. Hobby William H. Loery

Research Associates:

Isabel Mountain Julia T. Weld Doris W. Wolter
 Joseph D. Mountain

Research Fellows:

Manijeh Khakpour Jack F. Woodruff

Assistant:

Judith Diamond

Visiting Lecturers in Biometrics:

George Condouris John Seed

The teaching aim of the Department of Public Health is to help increase the students' understanding of disease by the study of those aspects of it that can best be perceived by the study of people in groups. To a considerable extent this involves both the identification of emerging disease problems and the ways they are shaped by the multiple interreactions among heredity, culture, and the physical and biologic environments. The character of the specific disease problems may change appreciably from one decade to another. Consequently, the major effort in the teaching is to help the student to apply the knowledge derived from the basic medical sciences and from clinical medicine to the understanding of the emerging disease problems of the day.

The courses start at the beginning of the second year and are continued throughout the third and fourth years.

SECOND YEAR: BIOMETRICS. The first course is an introductory course in biometrics given each Thursday afternoon from 3 to 5 P.M. and each Saturday morning from 9 to 10 A.M. throughout the second trimester.

Particular emphasis is placed on the quantitative methods of analysis, including statistical methods of analysis in appraising and summarizing experimental data derived from various biomedical fields. Total hours, 33.

SECOND YEAR: PARASITOLOGY. This course is in diseases caused by the larger parasites which are particularly prevalent in so-called economically underdeveloped areas, and is given by Dr. B. H. Kean and his associates during the second trimester of the school year.

Dr. Kean is head of the tropical disease unit in the department of medicine and has had extensive field experience in the tropics. The course starts with the study of the host-parasite reaction as it is considered in microbiology and pathology and broadens it to include microscopic parasites as well. Thus, although the initial and major emphasis of the course is on microscopy, it also serves to introduce the student to the main avenues for the study of diseases in man-clinical medicine and epidemiology. The important larger parasites of man are considered; the mode of transmission of each parasite is studied, as well as the life cycle and intermediate hosts. Prevention and control of human parasitic diseases are given proper consideration, and the therapy of these conditions is discussed. Actual cases of parasitic diseases are used to illustrate the laboratory exercises and the lectures.

Each Monday, Wednesday, and Friday afternoon during the latter part of the second trimester, a lecture or demonstration is presented from 2 to 3 P.M. and the laboratory exercises are then carried on from 3 to 5 P.M. Total hours, 33.

SECOND YEAR: EPIDEMIOLOGY. Soon after the course Parasitology (also during the second trimester of the year) a course, Introduction to Epidemiology, is given under the direction of Dr. Kenneth Johnson. Emphasis is placed on patterns of disease occurrence and spread in the population, and consideration of the intimate relationship between the nature of a community and its disease problems. Total hours, 11.

THIRD YEAR. The course is divided into two parts: (A) morning lectures; and (B) field trips followed by seminars.

The morning lectures are held every Friday throughout the year. Both the seminars and the lectures are devoted to consideration of general questions of clear medical import which may be expected to represent major problems to the student's future patients and to himself. Except for the morning lectures, the teaching is all conducted with groups of seven to fourteen students. Total seminar and section work, 36 hours; total morning clinics, 33 hours.

FOURTH YEAR. The teaching program is centered in the Comprehensive Care and Teaching Program in the Medical Clinic. The principal emphasis is on more advanced epidemiologic studies of diseases of importance to clinicians. Dr. Jerome L. Schulman presides over these exercises. Total hours, 14.

Elective Courses

EPIDEMIOLOGY AND INFECTIOUS DISEASES. Experimental work and problems related to virology, immunology, and chronic bacterial infection

may be undertaken when feasible in the Division of Virus Research or other laboratories of the Department of Public Health. In addition, problems in biometrics or epidemiology of infectious and noninfectious diseases may be undertaken. Studies involving library scholarship may be pursued in any of the foregoing categories under guidance of faculty members of the department.

RADIOLOGY

John A. Evans, Professor of Radiology, Chairman
 Ralph Phillips, Clinical Professor of Radiology
 Robert S. Sherman, Clinical Professor of Radiology
 Harold L. Temple, Clinical Professor of Radiology

David V. Becker, Associate Professor of Radiology
 Robert H. Freiburger, Associate Professor of Radiology
 Douglas G. Potts, Associate Professor of Radiology

Ina R. Altman, Assistant Professor of Radiology
 David G. Bragg, Assistant Professor of Radiology
 Florence Chien Hwa-Chu, Clinical Assistant Professor of Radiology
 Kuo York Chynn, Assistant Professor of Radiology
 F. Mitchell Cummins, Clinical Assistant Professor of Radiology
 Eleanor Deschner, Assistant Professor of Radiology (Radiobiology)
 Elizabeth Focht, Assistant Professor of Radiology (Physics)
 Richard Fleming, Assistant Professor of Radiology
 Eugene Furth, Assistant Professor of Radiology
 Herman Grossman, Assistant Professor of Radiology
 Basil S. Hilaris, Clinical Assistant Professor of Radiology
 Seymour Hopfan, Clinical Assistant Professor of Radiology
 George Jaspín, Clinical Assistant Professor of Radiology
 Paul Killoran, Assistant Professor of Radiology
 Marvin Loring, Assistant Professor of Radiology
 Zuheir Mujahed, Assistant Professor of Radiology
 Myron Nobler, Clinical Assistant Professor of Radiology
 Nathan Poker, Assistant Professor of Radiology
 Theodore Robinson, Clinical Assistant Professor of Radiology
 Plinio Rossi, Clinical Assistant Professor of Radiology
 Samuel Seal, Clinical Assistant Professor of Radiology
 Henry M. Selby, Clinical Assistant Professor of Radiology
 Ruth E. Snyder, Clinical Assistant Professor of Radiology
 George Stassa, Assistant Professor of Radiology
 Harry L. Stein, Clinical Assistant Professor of Radiology
 Robin C. Watson, Assistant Professor of Radiology
 Stephen White, Clinical Assistant Professor of Radiology

Instructors:

Melvin J. Myers	Eladio Nunez	Patricia Winchester
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Clinical Instructors:

Martin Edelman	James Marquis	Samuel Phillips
William Goldstein	Richard C. Packert	

Fellows:

Richard D. Anderson	Joel Gilbert	Donald K. Ryan
William C. Colston	James C. Hirschy	Robert M. Ryan
Peter E. Dobrowolski	Joseph M. Murphy	

The teaching of radiology is conducted by didactic lectures, by section work with smaller groups in connection with clinical clerkships, and by presentation

of the X-ray aspects of various cases at the regular conferences of the clinical departments. Moreover, elective courses given in the fourth year play an important part in supplementing these methods. A large film and lantern slide museum of cases carefully selected for their teaching value has been prepared. This is constantly added to from the abundant material passing through the department. Three floors of the L Building are assigned to X-ray work. In addition, equipment for special examinations is located in the Woman's Clinic, urology, psychiatry, and elsewhere in the Medical College and Hospital.

During the first year, in collaboration with the Department of Anatomy, anatomical structures are visualized by radiographic and roentgenoscopic methods.

The didactic work consists of a series of eleven lectures to the entire second-year class. These include the fundamental principles of radiation physics, X-ray diagnosis, and X-ray and radium therapy, with the aim of making the student aware at this stage of the various uses of X-rays. The indications and limitations are stressed.

Section work is conducted in the third year, while the students are serving as clinical clerks. The Departments of Medicine, Pediatrics, and Surgery assign each group receiving instruction from them to the Department of Radiology for regularly scheduled informal sessions. Specifically related X-ray material is presented and correlated with the clinical and laboratory findings. These sessions total approximately 30 hours.

Twenty lectures on roentgen diagnosis and radiation therapy are given to the fourth-year class.

Electives: Fourth Year

(1) **X-RAY CLINICAL CLERKSHIP.** A limited number of students are accepted to observe and assist where possible, in the routine activities of the department. The routine includes film interpretations, fluoroscopy, therapeutic irradiation, and attendance at radiology conferences. Two conferences are held daily (L-611) at which time the more interesting diagnostic and therapeutic problems are discussed. One conference is held from 11 A.M. to 12 M. The second session, from 1 to 2 P.M., is limited to a review of the current examinations of the gastrointestinal tract.

(2) **TECHNIQUE OF FLUOROSCOPY.** Two hours. Limited to six students. Arrangements to be made through the department head.

(3) **GASTROINTESTINAL FLUOROSCOPY AND FILM INTERPRETATION.** One month. Limited to six students at any one time.

SURGERY

Frank Glenn, Lewis Atterbury Stimson Professor of Surgery, Chairman (until Oct. 31, 1967)

C. Walton Lillehei, Lewis Atterbury Stimson Professor of Surgery, Chairman (beginning November 1, 1967)

William A. Barnes, Clinical Professor of Surgery

Goran C. H. Bauer, Professor of Surgery (Orthopedics)

Herbert Conway, Clinical Professor of Surgery (Plastic Surgery)

William Cooper, Clinical Professor of Surgery (Orthopedics)

John W. Draper, Clinical Professor of Surgery (Urology)

Cranston W. Holman, Clinical Professor of Surgery

Victor F. Marshall, Professor of Surgery (Urology)

John M. McLean, Professor of Surgery (Ophthalmology)

James A. Moore, Clinical Professor of Surgery (Otolaryngology)
 S. W. Moore, Professor of Surgery
 Sten-Erik Olsson, Visiting Professor of Surgery (Comparative Orthopedics)
 Robert L. Patterson, Jr., Professor of Surgery (Orthopedics)
 Bronson S. Ray, Clinical Professor of Surgery (Neurosurgery)
 Lee R. Staub, Clinical Professor of Surgery (Orthopedics)
 T. Campbell Thompson, Clinical Professor of Surgery (Orthopedics)
 Preston A. Wade, Clinical Professor of Surgery

Rolla D. Campbell, Clinical Associate Professor of Surgery (Orthopedics)
 Peter Dineen, Clinical Associate Professor of Surgery
 Howard S. Dunbar, Clinical Professor of Surgery (Neurosurgery)
 Edward A. Dunlap, Clinical Associate Professor of Surgery (Ophthalmology)
 John H. Eckel, Clinical Associate Professor of Surgery
 George F. Egan, Clinical Associate Professor of Surgery (Dentistry)
 Helena Gilder, Associate Professor of Surgery (Biochemistry)
 Edward I. Goldsmith, Clinical Associate Professor of Surgery
 Dan M. Gordon, Clinical Associate Professor of Surgery (Ophthalmology)
 George R. Holswade, Clinical Associate Professor of Surgery
 Allan E. Inglis, Clinical Associate Professor of Surgery (Orthopedics)
 Bernard Jacobs, Clinical Associate Professor of Surgery (Orthopedics)
 Richard C. Karl, Associate Professor of Surgery*
 Leonard Korngold, Associate Professor of Microbiology in Surgery (Orthopedics)
 Frederick L. Liebolt, Clinical Associate Professor of Surgery (Orthopedics)
 Henry Mannix, Jr., Clinical Associate Professor of Surgery
 John H. McGovern, Clinical Associate Professor of Surgery (Urology)
 Laurence Miscall, Clinical Associate Professor of Surgery
 James A. Nicholas, Clinical Associate Professor of Surgery (Orthopedics)
 William F. Nickel, Jr., Clinical Associate Professor of Surgery
 Herbert Parsons, Clinical Associate Professor of Surgery (Neurosurgery)
 S. Frank Redo, Clinical Associate Professor of Surgery
 Peter-Cyrus Rizzo, Clinical Associate Professor of Surgery (Orthopedics)
 Paul A. Skudder, Clinical Associate Professor of Surgery
 Bjorn Thorbjarnarson, Clinical Associate Professor of Surgery
 George E. Wantz, Clinical Associate Professor of Surgery
 John P. West, Clinical Associate Professor of Surgery
 Philip D. Wilson, Jr., Clinical Associate Professor of Surgery (Orthopedics)

Harlan C. Amstutz, Clinical Assistant Professor of Surgery (Orthopedics)
 William D. Arnold, Clinical Assistant Professor of Surgery (Orthopedics)
 Stanley J. Behrman, Clinical Assistant Professor of Surgery (Dentistry)
 Francis A. Beneventi, Clinical Assistant Professor of Surgery (Urology)
 Richard M. Bergland, Assistant Professor of Surgery (Neurosurgery)
 Paul W. Braunstein, Clinical Assistant Professor of Surgery
 Stuart I. Brown, Clinical Assistant Professor of Surgery (Ophthalmology)
 George N. Cornell, Clinical Assistant Professor of Surgery
 John H. Doherty, Assistant Professor of Surgery (Orthopedics)
 J. Edwin Drew, Clinical Assistant Professor of Surgery (Urology)
 Edward D. Eanes, Assistant Professor of Physical Chemistry in Surgery (Orthopedics)
 Sidney N. Eichenholtz, Clinical Assistant Professor of Surgery (Orthopedics)
 Hollon W. Farr, Clinical Assistant Professor of Surgery
 Hilliard E. Firschein, Assistant Professor of Biochemistry in Surgery (Orthopedics)
 Harold Genvert, Clinical Assistant Professor of Surgery
 Dicran Goulian, Jr., Clinical Assistant Professor of Surgery (Plastic Surgery)
 William R. Grafe, Jr., Clinical Assistant Professor of Surgery
 Jose Luis Granda, Assistant Professor of Biochemistry in Surgery (Orthopedics)
 Peter M. Guida, Clinical Assistant Professor of Surgery
 Alexander Hersh, Clinical Assistant Professor of Surgery (Orthopedics)
 James M. Holman, Clinical Assistant Professor of Surgery (Otolaryngology)
 Gustavus A. Humphreys, Clinical Assistant Professor of Surgery (Urology)

*On leave of absence

Jerry Hart Jacobson, Clinical Assistant Professor of Surgery (Ophthalmology)
 Joseph T. Kauer, Clinical Assistant Professor of Surgery
 Edward B. C. Keefer, Clinical Assistant Professor of Surgery
 John G. Keuhnlian, Clinical Assistant Professor of Surgery (Urology)
 Leon J. Kutner, Assistant Professor of Microbiology in Surgery (Orthopedics)
 Eugene M. Lance, Clinical Assistant Professor of Surgery (Orthopedics)
 Russell W. Lavengood, Jr., Clinical Assistant Professor of Surgery (Urology)
 David B. Levine, Clinical Assistant Professor of Surgery (Orthopedics)
 Harvey A. Lincoff, Clinical Assistant Professor of Surgery (Ophthalmology)
 Victor Mayer, Clinical Assistant Professor of Surgery (Orthopedics)
 Frederick C. McLellan, Clinical Assistant Professor of Surgery (Urology)
 Charles K. McSherry, Clinical Assistant Professor of Surgery
 Edward C. Muecke, Clinical Assistant Professor of Surgery (Urology)
 George C. Mueller, Clinical Assistant Professor of Surgery (Otolaryngology)
 Arthur J. Okinaka, Clinical Assistant Professor of Surgery
 Russel H. Patterson, Jr., Assistant Professor of Surgery (Neurosurgery)
 Walter L. Peretz, Clinical Assistant Professor of Surgery (Ophthalmology)
 John G. Schmidt, Clinical Assistant Professor of Surgery
 Donald M. Shafer, Clinical Assistant Professor of Surgery (Ophthalmology)
 James W. Smith, Clinical Assistant Professor of Surgery (Plastic Surgery)
 Stuart S. Snyder, Clinical Assistant Professor of Surgery (Ophthalmology)
 John C. Whitsell II, Clinical Assistant Professor of Surgery
 John R. Williams, Clinical Assistant Professor of Surgery (Otolaryngology)

Instructors:

David G. Anderson	Edw. McG. Hedgepeth, Jr.	Milton J. Moss
Lynn L. Ault	Brent J. Holleran	Benjamin S. Park, Jr.
Merrill S. Climo	Ferdinand Lavenuta	Merrill A. Ritter
Armand F. Cortese	J. Ralph Macfarlane	Kenneth G. Swan
Carl H. Dieterle	Peter O. Macs	William S. Tunner
Malcolm L. Ecker	Thomas H. Milhorat	Dean H. Weaver
Laurence S. Harris	Orlando P. Miller	

Clinical Instructors:

Samuel Avnet	Robert D. Deans	Alfred E. Mamelok
Howard D. Balensweig	Wade Duley	Peter J. Marchisello
Mitchell Brice II	Charles R. Dunbar	Mary H. Markham
Michael Browne	Richard G. Eaton	Joseph B. Mason
Anthony Camarda	Milton Gabel	John B. Ogilvie
Thomas I. Carey	Suzanne A. L. Howe	Earl A. O'Neill
Robert L. Clarke	Ann Huston	Thomas D. Rizzo
Edward C. Coats	John N. Insall	David S. Speer
Elizabeth F. Constantine	Jerome Lawrence	John F. Struve
Rudolph C. Dangelmajer	Ruth S. Long	Philip H. Zweifach

Research Associate:

Ronald W. Gillette

Research Fellows:

Tatsuo Hirose	Victor Julio Ramirez B.	Takashi A. Suzuki
Hiroshi Nakamura		

Fellows:

Donald W. Abel	Charles W. Carpenter	William F. Flynn
James W. Asaph	John E. Deitrick, Jr.	Stephen R. Geller
Richard L. Beck	Francis J. Duggan, Jr.	Sverrir O. Georgsson
James S. Bethea III	Michael W. Dunn	John S. Glenn
James W. Bryan	Robert M. Farrell	Julian T. Hoff
Stephen E. Carney	James E. Finn	Louis R. Jordan

George D. Kornitzer
 Peter L. Laino
 Laurence R. LeWinn
 Mark A. Lieberman
 Walter J. Loehr
 Paul A. Lotke
 John L. Marshall
 Leo J. Marx
 Irvine G. McQuarrie
 Craig A. Mehlau
 Anthony W. Middleton, Jr.
 Brian G. Miscal
 Gerald J. Monchik

Holland V. Moore
 Kevin P. Morrissey
 William P. O'Grady
 A. Michael Pardue
 John M. Parsons
 Jean Paul Perrault
 Herbert S. Perry
 Robert A. Pezzulich
 Andrew G. Pichler
 Irvin J. Raksin
 J. Richard Rees
 David M. Richter
 Robert P. Sengelmann

Mark M. Sherman
 Gad Shtacher
 Garry L. Smith
 Jacqueline J. Struthers
 William T. Stubenbord
 Gerald Sufrin
 John B. Thompson, Jr.
 Richard N. Tiedemann
 Garrett R. Tucker III
 Robert S. Waldbaum
 Herbert E. Wassermann
 Steven I. Woodrow
 F. Darwin Zahn

Research Assistants:

Bernard M. Hitzig

Frederick G. Sumner II

MEMORIAL HOSPITAL

Edward J. Beattie, Jr., Professor of Surgery, Chairman
 Henry T. Randall, Professor of Surgery
 Willet F. Whitmore, Jr., Clinical Professor of Surgery (Urology)

William G. Cahan, Clinical Associate Professor of Surgery
 Eugene E. Clifton, Clinical Associate Professor of Surgery
 Michael R. Deddish, Clinical Associate Professor of Surgery
 Joseph H. Farrow, Clinical Associate Professor of Surgery
 Joseph G. Fortner, Clinical Associate Professor of Surgery
 Edgar L. Frazell, Clinical Associate Professor of Surgery
 Arthur I. Holleb, Clinical Associate Professor of Surgery
 Theodore R. Miller, Clinical Associate Professor of Surgery

Robert J. Booher, Clinical Assistant Professor of Surgery
 Lemuel Bowden, Clinical Assistant Professor of Surgery
 Richard D. Brasfield, Clinical Assistant Professor of Surgery
 Daniel Catlin, Clinical Assistant Professor of Surgery
 Donald G. C. Clark, Clinical Assistant Professor of Surgery
 Harry S. Goldsmith, Assistant Professor of Surgery
 Harry Grabstald, Clinical Assistant Professor of Surgery (Urology)
 John S. Lewis, Clinical Assistant Professor of Surgery
 Lucille Loseke, Clinical Assistant Professor of Surgery
 Ralph C. Marcove, Clinical Assistant Professor of Surgery
 Charles J. McPeak, Clinical Assistant Professor of Surgery
 John L. Pool, Clinical Assistant Professor of Surgery
 Guy Robbins, Clinical Assistant Professor of Surgery
 Reuven K. Snyderman, Clinical Assistant Professor of Surgery
 Maus Stearns, Jr., Clinical Assistant Professor of Surgery
 Elliot W. Strong, Clinical Assistant Professor of Surgery
 H. Randall Tollefsen, Clinical Assistant Professor of Surgery
 Jerome A. Urban, Clinical Assistant Professor of Surgery

Clinical Instructors:

Angelo J. De Palo
 Alfred A. Fracchia
 Frank P. Gerold
 John T. Goodner
 Charles C. Harrold, Jr.

Ralph E. L. Hertz
 John C. Lucas
 A. Ranald Mackenzie
 Oliver S. Moore
 Michael A. Paglia

Elisabeth P. Pickett
 Stuart Quan
 Horace W. Whiteley, Jr.

Fellows:

Hiroyuki Ashikari
Arthur S. Caron
W. Philip E. Exelby

Joseph V. Hajek
Brunet Jean-Gilles
Thomas E. Murphy

Douglas R. Murray

General Surgery

SECOND YEAR. Instruction begins in the third trimester of the second year. Two sessions of two hours each are provided in general surgical problems as part of the course in physical diagnosis. Instruction is provided, also, in ophthalmologic, orthopedic, and urologic examination. Tutors are assigned to groups of four students for supervision of history taking and physical examination.

Elective courses are provided in surgery for second year students in the third trimester. Opportunities to participate in experimental procedures in the laboratories for surgical research are available and are supervised by members of the teaching staff.

THIRD YEAR. In the third year the entire class attends a clinic, conducted by the head of the Department or his immediate associates, at 8:30 every Wednesday morning. Usually two patients are shown as examples of one clinical entity. Three students are selected at the beginning of the hour to participate in the discussion as it is directed by the instructor. During the school year a total of thirty-three of these clinics is held. Those subjects are presented that lend themselves to enunciating general problems and principles of surgical therapy.

The third-year class is divided into three sections. One section is assigned each term to surgery. In this period of twelve weeks the students are assigned to the clinics in the outpatient department of general surgery and the surgical specialties. Here they gain a broad experience with patients who are considered for surgical therapy. In general surgery they work in the diagnostic clinic, taking full histories and doing complete physical examinations on the new patients to whom they are assigned. Each case is presented to an attending surgical instructor; the differential diagnosis, diagnostic procedures, and therapy are discussed. These patients are seen on return visits by the same student in order that the results of diagnostic procedures and clinical course may be determined firsthand and definitive therapy decided upon in consultation with a staff member.

In the minor surgical clinic of General Surgery, as much responsibility as possible is given to the student in the treatment of infections, management and dressing of wounds, and the examination of patients who have had major surgical procedures in the hospital. During the term the students are assigned in rotation to the specialty clinics of orthopedics, urology, otolaryngology, ophthalmology, and fractures, where they receive instruction in special methods of diagnosis and have opportunity to observe therapy among the ambulatory patients.

A course in operative surgery on animals occupies one morning each week. The section is divided into operating teams of four: a surgeon, an anesthetist, a first assistant, and a scrub nurse. The students rotate positions for the performance of twelve selected surgical procedures. The animals (dogs) are the patients and are accorded, by the students, pre- and postoperative care simulat-

ing that of patients in the hospital. The course is designed to acquaint the students with what surgical operations entail and to emphasize the fundamental principles of anesthesia, asepsis, hemostasis, and wound healing.

Four times weekly, lectures and demonstrations dealing with clinical problems encountered in the activities of the outpatient department are presented to the group.

The program of the third year is based upon the concept that general surgery, in contradistinction to general medicine, is in a sense a specialty. Patients requiring surgical therapy must be selected with consideration of other forms of therapy. It is our belief that the medical student needs, early in his training, to become aware of this. It is important that we have a feeling of the background from which surgical patients come. The widest possible experience that we can provide for a student with which to attain such an objective, is to have him rotate through the general surgical and specialty clinics of the outpatient department. Not only does this provide a background for the source of surgical patients, but it also affords an opportunity for him to see what surgical therapy may accomplish. In addition, the student has the chance to observe the associated complications which are to be seen in the minor surgical dressing clinics where patients return following surgery that has been performed within the hospital.

It is the intent that the student, during his third year, will learn the scope of surgery in therapy and diagnosis. At the same time he should become aware of the risks and complications commonly associated with it. If these two objectives are attained, then the student has a sound basis for selecting surgical therapy where indicated. This may be the beginning of the sense of discrimination in the selection of proper treatment so important in the armamentarium of a physician, regardless of his special interest, be it in general practice or a specialty.

FOURTH YEAR. In the fourth year the medical student becomes a clinical clerk on the surgical pavilions. The class is divided into six equal groups, each group serving for a term of approximately eight weeks, during which time they have no other responsibilities than those in surgery. As a clinic clerk the student participates in the management of patients by obtaining a complete history and performing a physical examination and laboratory determinations on each patient assigned to him. He has an opportunity to participate in the differential diagnosis and preoperative preparation. When the patient is operated upon, the student may act as a member of the operating team. He has an opportunity to see at firsthand the pathological condition for which the operation was undertaken. He has specific responsibilities in the post-operative care of the patient. Thus the fourth year student is, in a sense, an intern under supervision. He attends the rounds held by the resident staff and members of the senior staff:

PEDIATRIC SURGERY. The students are assigned in rotation to the pediatric surgical unit. History taking and physical examination are supplemented by participation in operations. Ward rounds are conducted weekly for the students by the attending staff.

FRACTURE CONFERENCE. In the late afternoon each Tuesday a conference to review the fracture patients is conducted by the senior and resident staff and is attended and participated in by the surgical clinical clerks.

GRAND ROUNDS. From 9 to 10:30 on Saturday mornings, clinical clerks attend grand rounds together with the entire resident and senior staff of the department. The problems presented are selected for their teaching value from the surgical specialties and general surgery.

EMERGENCY SERVICE. The clinical clerks on the surgical pavilions are rotated in pairs to the emergency service where they are on call with the resident staff. This is a very active unit of the hospital during the hours when the out-patient clinics are closed — from 5 P.M. to 9 A.M. Monday through Friday, and over the weekend. The wide range of conditions requiring emergency or urgent measures seen by the clinical clerk is a valuable experience.

PATHOLOGY CONFERENCE. Once a week a two-hour conference is devoted to surgical pathology. Surgical specimens removed in the operating room are reviewed, and also microscopic slides are studied.

NOON CLINICAL CONFERENCE. Five times a week a clinical conference is held at the bedside. Diagnosis, preoperative and postoperative care, and complications in general surgery and the specialties are discussed.

SEMINAR. On Saturdays from 10:30 A.M. to 12:30 P.M. throughout the term, seminars are held under the supervision of a senior staff member. In these sessions the students present their evaluations of new advancements of surgery. It is the objective of these exercises to place in the hands of the medical student a means of evaluating a new development in surgery, so that later, as a physician, he will be able to better assess new proposals in a methodical and critical manner. Thus he may provide proper guidance for his patients.

By constant and uninterrupted association with "his" patients and those doctors who are caring for them, the student gains direct experience with the normal course which follows major surgical procedures and with complications as they arise. The value of team work in medical care is vividly apparent to the fourth-year student during his clinical clerkship on surgery.

Elective Courses

SURGICAL RESEARCH LABORATORY. Maximum of two students during each term. The students participate in the experimental study of peptic ulcer, cardiovascular surgery, liver disease, and transplantation of tissues. The participation in experimental operative procedures is stressed. Experiments in surgical physiology may be done in association with members of the surgical staff. Students may also take the part in the studies of surgical metabolism and the response of surgical patients to operation. A weekly surgical research meeting is held.

SURGICAL PATHOLOGY. Maximum of two students for four or eight weeks throughout the year. A discussion is conducted each morning when the slides are read and the histologic diagnosis is made. The student has an opportunity to assist in the gross examination of the surgical specimens each afternoon. Instruction is given in the technique of frozen sections

STUDENT CLERKSHIP. Individual arrangement may be made to participate as substitute interns for four to eight weeks in the surgical specialties: urology, plastic surgery, neurosurgery, and fractures. Each service has daily teaching rounds and weekly seminars. Experience in patient management and in the operating room is stressed.

SURGICAL PHYSIOLOGY. Maximum of four students. Eight-week course, throughout the year. Complete study of electrolyte balance. Students participate in clinical patient care under the supervision of attending physicians. Supplemented by lectures and group discussions.

CARDIOVASCULAR SURGERY. An opportunity is available for one student each period to participate in laboratory and clinical use of the extra-corporeal pump-oxygenator.

ORTHOPEDIC SURGERY. Maximum of four students for eight weeks. Active participation in the inpatient services with emphasis on children's orthopedics, including experience in the operating theater. Outpatient activities including those special clinics which fit the student's particular interests. Interview arranged through Medical Education Office, Hospital for Special Surgery.

HOSPITAL FOR SPECIAL SURGERY

IMMUNOPATHOLOGY. Maximum of two students throughout the year. An introduction to a challenging area of research which lies at the boundary between pathology and immunology. The cellular origin of antibodies and pathologic immunoglobulins, experimental hypersensitivity, autoimmunity, and rheumatic diseases. The student will be expected to become familiar with the method of immunofluorescence in theory and in practice.

IMMUNOLOGY. One student throughout the year. Laboratory training in immunologic approaches to clinical research.

VIROLOGY. One student throughout the year. Will provide an opportunity to study the replication of viruses in tissue culture, using such techniques as plaque formation, immunofluorescence foci, and other methods, and to study the relationship of viruses to cancer by means of tissue cultures and experimental animals.

BIOCHEMISTRY. One student throughout the year. Participation in chemical work on serum compounds which inhibit complement fixation reactions; Bence-Jones proteins; normal and pathologic macroglobulinism; rheumatoid factor.

PHYSIOLOGICAL CHEMISTRY. One student throughout the year. Calcium metabolism and the metabolism of the skeleton. Opportunity to become acquainted with principles of the kinetic studies and laboratory procedures involved. The latter may include radioisotopes.

For all the above, interview will be arranged through Medical Education Office, Hospital for Special Surgery.

SPECIAL STUDENTS

All students not registered in Cornell University Graduate School and not registered for the M.D. degree are Special Students.

Such students are *Special Students* in the true sense of the word and must be especially qualified in preparation, ability, and objective in order to receive any consideration. They may or may not be graduate students in the sense of having completed work for a collegiate degree.

Special Students are admitted *only by the consent of the head of the department*, must be registered in the Administration Office of the Medical College, and must pay their fees at the Business Office before being admitted to lectures or laboratory exercises.

FEES

MATRICULATION FEE: \$10

ADMINISTRATION FEE: \$5

Tuition fees vary depending upon the type of work taken. A break-age fee may be required.

TABLE OF REQUIRED HOURS

	<i>First Year</i>	<i>Second Year</i>	<i>Third Year</i>	<i>Fourth Year</i>	<i>Total</i>
ANATOMY:					
Gross Anatomy	246	...	...	...	...
Microscopic Anatomy	165	...	...	...	...
Neuroanatomy	84	...	...	...	...
Developmental Anatomy and Genetics	77	...	...	...	572
BIOCHEMISTRY	220	...	...	...	220
MICROBIOLOGY & IMMUNOLOGY .....	...	165	...	...	165
PHYSIOLOGY	231	...	...	...	231
RADIOBIOLOGY	11	...	...	...	11
BIOMETRICS .....	...	22	...	...	22
PATHOLOGY .....	...	297	...	...	297
PHARMACOLOGY .....	...	154	...	11	165
PHYSICAL DIAGNOSIS* .....	...	164	...	...	164
MEDICINE:					
Clinical Pathology & Introductory Medicine .....	...	100	...	...	...
Specialties, Clerkship, & OPD .....	...	...	352	280	...
Lectures .....	...	...	33	...	765
MEDICAL COMPREHENSIVE CARE† .....	...	...	...	100	100
SURGERY:					
Ophthalmology .....	...	...	...	...	...
Introductory Surgery .....	...	...	...	...	...
Specialties, Clerkship, & OPD .....	...	...	352	285	...
Lectures .....	...	...	33	...	670
OBSTETRICS AND GYNECOLOGY:					
Practical Instruction .....	...	...	77	285	...
Lectures .....	...	...	66	...	428
PEDIATRICS:					
Practical Instruction .....	...	...	154	70	...
Lectures .....	...	...	33	...	...
Contagious Disease .....	...	...	18	...	275
PSYCHIATRY:					
Medical Aspects of Human Behavior	33	...	...	...	...
Psychiatry .....	...	33	33	42	...
Lectures .....	...	...	...	33	174
PUBLIC HEALTH:					
Parasitology .....	...	33	...	...	...
Field and Section .....	...	12	36	14	...
Lectures .....	...	11	33	...	139
RADIOLOGY .....	...	...	30	20	50
ELECTIVES HOURS .....	...	...	...	570	570
TOTALS	1067	991	1250	1710	5018

*Includes medical, neurological, surgical, and gynecological aspects of physical diagnosis.

†The Medical Comprehensive Care Program is a joint project of all clinical departments and the Department of Public Health. In addition to the 100 hours not assigned to any one department, this program embraces the assigned fourth year curricular hours of medicine and pediatrics and part of those of psychiatry.

FIRST-YEAR SCHEDULE 1967-68

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Microscopic Anatomy	Develop-mental Anatomy and Genetics	Microscopic Anatomy	Gross Anatomy	Microscopic Anatomy	Microscopic Anatomy
10-11		Gross Anatomy				
11-12						
12-1			Develop-mental Anatomy and Genetics			
1-2	Biochemistry	Develop-mental Anatomy and Genetics	Free	Biochemistry	Biochemistry	
2-3	Develop-mental Anatomy and Genetics	Gross Anatomy		Psychiatry	Develop-mental Anatomy and Genetics	
3-4	Microscopic Anatomy			Free		
4-5						

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9–10	Neuroanatomy	Physiology	Physiology	Physiology	Gross Anatomy	Physiology
10–11		Gross Anatomy	Neuroanatomy	Neuroanatomy		Psychiatry
11–12						
12–1						
1–2	Biochemistry		Free	Biochemistry	Biochemistry	
2–3	Gross Anatomy	Gross Anatomy		Psychiatry	Gross Anatomy	
3–4				Free		
4–5						

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9-10	Biochemistry	Physiology	Biochemistry	Physiology	Biochemistry	Physiology	
10-11						Radiobiology *	
11-12							
12-1							
1-2							
2-3	Biochemistry	Physiology	Free	Physiology	Physiology		
3-4							
4-5	Free				Free		

* Multidepartmental course.

SECOND-YEAR SCHEDULE 1967-68

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Pathology	Free	Pathology	Pathology	Pharmacology	Biometrics
10-11						Pharmacology
11-12						
12-1		CPC				
1-2	Free	Free				
2-3	Microbiology			Pharmacology	Microbiology	
3-4			Microbiology			
4-5			Biometrics			

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Pharmacology	Free	Pharmacology	Pathology	Pharmacology	Pathology
10-11	Pathology		Pathology			Pathology
11-12						
12-1	CPC					
1-2		Free				
2-3	Microbiology & Parasitology		Microbiology & Parasitology	Pharmacology	Microbiology & Parasitology	
3-4				Free		
4-5						

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Medicine*	Medicine*	Public Health	Pathology	Psychiatry	
10-11			Medicine*		Neurology	
11-12						
12-1		CPC				
1-2						
2-3	Medicine*	Free	Medicine*	Medicine*	Medicine*	
3-4						
4-5						

* Medicine time will be subdivided to provide for: physical diagnosis, introductory medicine, neurology, and clinical pathology.

THIRD-YEAR SCHEDULE 1967-68

	12 weeks	11 weeks		7 weeks		7 weeks	8 weeks		
SECTION I:	Med.	Surg.	VACATION	Sec A below	Ob.	Sec B below	Neurol., Psych., & Pub. Health	Ped.	SECTION I:
Div. A					Ped.		Ob.	Neurol., Psych., & Pub. Health	Div. C
Div. B	Surg.	Med.			Neurol., Psych., & Pub. Health		Ped.	Ob.	Div. D
SECTION II:			CHRISTMAS			SPRING VACATION			Div. E
Div. C	Ob.	Neurol., Psych., & Pub. Health		Ped.	Med.		Surg.	SECTION II:	
Div. D	Ped.	Ob.		Neurol., Psych., & Pub. Health				Div. A	
Div. E	Neurol., Psych., & Pub. Health	Ped.	Ob.	Surg.		Med.	Div. B		
	8 weeks	8 weeks		8 weeks	11 weeks		11 weeks		

A

SECTION I, Division C (Ob.): One week Ob. Orientation.

SECTION I, Division D (Ob.): One week vacation.

SECTION I, Division E: Continue assignments on medicine and surgery.

B

SECTION I, Divisions C and E: One week vacation.

SECTION I, Division D: One week Ob. Orientation.

FOURTH-YEAR SCHEDULE
1967-68

I. AMBULATORY CARE		ELECTIVE		(c) SURGERY OB.	(d) OB. SURGERY
(a) II. SURGERY OB.	(b) OB. SURGERY	AMBULATORY CARE		ELECTIVE	
III. ELECTIVE		(e) SURGERY OB.	(f) OB. SURGERY	AMBULATORY CARE	

————— 15 weeks —————
 $\xleftarrow{7\frac{1}{2} \text{ wks.}}$
 15 weeks
 $\xrightarrow{7\frac{1}{2} \text{ wks.}}$
 ————— 15 weeks —————

Sections I, II, and III
Divisions of Surgery and Ob.—a through f

GRADUATE SCHOOL OF MEDICAL SCIENCES

The opportunity for graduate work leading to advanced general degrees was first offered in the Medical College in 1912 in cooperation with the Graduate School of Cornell University. By agreement dated June 16, 1950, between Cornell University, Sloan-Kettering Institute for Cancer Research, Memorial Center for Cancer and Allied Diseases, and the Society of The New York Hospital, a graduate division of Cornell University Medical College was established to be known as the Sloan-Kettering Division of Cornell University Medical College. This expansion of the New York City component of the Graduate School resulted in the establishment, in January, 1952, of the Graduate School of Medical Sciences which, with the approval of the faculty of the Graduate School of Cornell University, was given the full responsibility for administrative matters related to the advanced general degrees granted for study in residence at the New York City campus of Cornell University.

The general degrees of Ph.D. and M.S. are awarded for advanced study and scholarly, independent research in the fields of anatomy, biochemistry, biomathematics, biophysics, immunology, microbiology, pathology, pharmacology, physiology, public health, and preventive medicine.

The facilities for graduate work at the Graduate School of Medical Sciences include those of the Medical College previously described in this Announcement and of the Sloan-Kettering Division described below. For further details on course offerings, refer to the *Announcement of the Graduate School of Medical Sciences*.

SLOAN-KETTERING DIVISION

Under the agreement mentioned above, each party continues under control and management of its respective Board of Trustees or Managers, but there is established a Coordinating Board of eight members, of which two are chosen by each of the parties to this agreement. This Board acts as a clearing house of information and as a coordinator of those functions in which all of the parties to this agreement are interested and makes recommendations to the respective Boards of the parties to the agreement.

The Coordinating Board of the Sloan-Kettering Division of Cornell University Medical College consists at present of the following members:

REPRESENTATIVES OF MEMORIAL HOSPITAL

Harold W. Fisher

John M. Walker

REPRESENTATIVES OF SLOAN-KETTERING INSTITUTE

Harold W. Fisher

Frank L. Horsfall, Jr.

REPRESENTATIVES OF CORNELL UNIVERSITY

Walker L. Cisler, Chairman of the Executive Committee of the Board of Trustees

James A. Perkins, President of the University

REPRESENTATIVES OF THE SOCIETY OF THE NEW YORK HOSPITAL

Francis Kernan

Frederick K. Trask

The facilities of the Sloan-Kettering Division consist of the Howard Laboratory, 410 East 68th Street, and the Kettering Laboratory, 425 East 68th Street, New York City; and the Walker Laboratory, 145 Boston Post Road, Rye, New York. Collectively these facilities represent the Sloan-Kettering Institute for Cancer Research. Both the Howard and Kettering Laboratories are in direct connection with two hospitals: Memorial Hospital, a voluntary institution of 380 beds, and the James Ewing Hospital, a unit of the New York City Hospital system with 270 beds.

The training offered in this Division is primarily for students working toward the Ph.D. degree. The plan of organization for teaching and research affords ample opportunities for direct participation in investigative work on cancer and allied diseases in recognized divisions of the physical and biological sciences, but not in any of the clinical fields.

BIOCHEMISTRY

Martin Sonenberg, Professor of Biochemistry, Chairman

M. Earl Balis, Professor of Biochemistry

Aaron Bendich, Professor of Biochemistry

Oscar Bodansky, Professor of Biochemistry

George B. Brown, Professor of Biochemistry

Liebe F. Cavalieri, Professor of Biochemistry

Jack J. Fox, Professor of Biochemistry

Mary L. Petermann, Professor of Biochemistry

C. Chester Stock, Professor of Biochemistry

Ralph K. Barclay, Associate Professor of Biochemistry

Saul Green, Associate Professor of Biochemistry

Morton K. Schwartz, Associate Professor of Biochemistry

Ellen Borenfreund, Assistant Professor of Biochemistry

John F. Codington, Assistant Professor of Biochemistry

John D. Fissekis, Assistant Professor of Biochemistry

Alfredo Giner-Sorolla, Assistant Professor of Biochemistry

Mary G. Hamilton, Assistant Professor of Biochemistry

Dietrich Hoffmann, Assistant Professor of Biochemistry

Willi Kreis, Assistant Professor of Biochemistry

Jerome S. Nisselbaum, Assistant Professor of Biochemistry

James C. Parham II, Assistant Professor of Biochemistry

Barbara H. Rosenberg, Assistant Professor of Biochemistry

Josephine S. Salser, Assistant Professor of Biochemistry

Vladimir P. Skipski, Assistant Professor of Biochemistry

Archie L. Smith, Assistant Professor of Biochemistry

Instructors:

Robert J. Cushley

Joseph P. Liberti

Norbert I. Swislocki

Intensive study is offered in the fields of enzymology, bioorganic chemistry, molecular biology, and metabolism of proteins and nucleic acids.

Undergraduate prerequisites include courses in inorganic chemistry, qualitative chemistry, quantitative chemistry, physical chemistry, organic chemistry,

physics (mechanics, electricity and magnetism, and sound, heat, light), biochemistry, and mathematics (through calculus). If any of these requirements have not been fulfilled at the undergraduate level, they must be taken at the onset of graduate study.

Students electing biochemistry as a minor subject are expected to complete the regular medical course in biochemistry, or its equivalent, as a minimum requirement.

BIOLOGY

Frederick S. Phillips, Professor of Pharmacology, Chairman
Gilbert Dalldorf, Professor of Pathology, Emeritus
Frank W. Foote, Jr., Professor of Pathology
Frank L. Horsfall, Jr., Professor of Microbiology
Fred W. Stewart, Professor of Pathology, Emeritus

Edward A. Boyse, Associate Professor of Biology
Etienne De Harven, Associate Professor of Biology
Jørgen E. Fogh, Associate Professor of Microbiology
Peter J. Gorn, Associate Professor of Microbiology
Dorris J. Hutchison, Associate Professor of Microbiology
Leopold G. Koss, Associate Professor of Pathology
Alice E. Moore, Associate Professor of Biology
Lloyd J. Old, Associate Professor of Biology
H. Christine Reilly, Associate Professor of Microbiology
Herbert S. Schwartz, Associate Professor of Pharmacology
Stephen S. Sternberg, Associate Professor of Pathology
Leo Wade, Associate Professor of Preventive Medicine
Ernest L. Wynder, Associate Professor of Preventive Medicine

June L. Biedler, Assistant Professor of Biology
Edward S. Essner, Assistant Professor of Biology
Wilbur F. Noyes III, Assistant Professor of Biology
Herbert F. Oettgen, Assistant Professor of Biology
Francis M. Sironiak, Assistant Professor of Microbiology
Bernard Tandler, Assistant Professor of Biology
Morris N. Teller, Assistant Professor of Biology

Instructors:

Alberta M. Albrecht	Elaine G. Diacumakos	George Sichuk
James G. Cappuccino		

Students' attention is directed particularly toward the factors which initiate, control, and modify the growth of normal and neoplastic tissues. Following this orientation, study is offered in pharmacology, experimental cancer chemotherapy, microbiology, endocrinology, cytology, genetics, immunology, and virology. A brief specialized course is offered, in October, in the chemotherapy of cancer for physicians and research workers.

Undergraduate prerequisites include courses in organic chemistry, inorganic chemistry, qualitative chemistry, quantitative chemistry, physical chemistry, physics (mechanics, electricity and magnetism, and sound, heat, light), mathematics (through calculus), general biology or general zoology or general botany, and genetics. If any of these requirements have not been fulfilled at the undergraduate level, they must be taken at the onset of graduate study.

Prerequisite graduate courses will be determined for each individual on the basis of his particular area of interest.

BIOPHYSICS

John S. Laughlin, Professor of Biophysics

Edward R. Epp, Associate Professor of Biophysics, Chairman

Helen Q. Woodard, Associate Professor of Biophysics

Karin R. Corey, Assistant Professor of Biophysics

Jae Ho Kim, Assistant Professor of Biophysics

Harold Moroson, Assistant Professor of Biophysics

Ira Pullman, Assistant Professor of Biophysics

Louis Zeitz, Assistant Professor of Biophysics

Instructors:

Jerrold Fried

Peter J. Kenny

Graduate work is offered by this department leading to the degrees of Master of Science (in the field of radiological physics) and Doctor of Philosophy (in the field of biophysics).

The course of study leading to the degree of Master of Science in radiological physics trains physicists in the various aspects of production, measurement, and application of radiations. X-ray and electron machines are available with energies ranging from 5 Kev to 25 Mev. Experience is also provided in the handling and use of many different radioisotopes. The magnitude and variety of facilities and unique radiation projects at the Sloan-Kettering Institute and the Memorial Hospital are particularly pertinent for training in this area. An important feature is the coexistence of fundamental research and practical and clinical applications in Memorial Sloan-Kettering Center.

Some of the research projects in biophysics which are pertinent to the Ph.D. program include studies of the metabolism of various isotope-labeled compounds in man; metabolism of biologically important compounds in tissue cultures of human tumor cells, in bacteria, and viruses; the mechanism of radiation action on bacteria, phage, yeast, and small animals, including metabolic studies with human and other tumors influenced by radiation under different environmental conditions; trace element analysis of tissue sections by means of fluorescent X-ray spectrometers; electron spin resonance spectroscopy of free radicals in carcinogenic and irradiated compounds; the measurement of radiation by calorimetric, radiation-chemical ionization, crystal and solid-state detectors; study of the early radiation-induced processes in cells using high intensity pulsed irradiation techniques.

Undergraduate prerequisites include courses in general physics, electricity and magnetism, mechanics, mathematics (through calculus), and thermodynamics, and acceptable laboratory experience in these fields. Undergraduate courses in quantitative analysis, physical and organic chemistry, biology, and physiology are also required as prerequisites for graduate courses in biochemistry and cell physiology. If any of these requirements have not been fulfilled at the undergraduate level, they must be taken at the onset of graduate study.

INTERNSHIP APPOINTMENTS*

CLASS OF 1967

Ainsworth, Robert P.	Med.	Barnes Hospital, St. Louis, Mo.
Amend, William J. C., Jr.	Med.	University of California, San Francisco, Calif.
Binder, Robert J.	Med.	University of California, San Francisco, Calif.
Bohan, Joseph P.	Surg.	University Hospitals, Cleveland, Ohio
Caplan, Judith A.	Rot.	Montefiore Hospital, New York, N.Y.
Castiello, Richard J.	Med.	Boston City Hospital, Tufts Div., Boston, Mass.
Chipkin, David R.	Med.	Strong Memorial Hospital, Rochester, N.Y.
Clark, Orlo H.	Surg.	University of California, San Francisco, Calif.
Cohn, Cal K.	Med.	Cornell University Hospitals, New York, N.Y.
Connors, Richard C.	Rot.	Public Health Service Hospitals, Boston, Mass.
Crossley, James J.	Surg.	The New York Hospital, New York, N.Y.
Daum, Susan M.	Med.	Mt. Sinai Hospital, New York, N.Y.
Dewey, Kermit W.	Med.	University Hospital, Ann Arbor, Mich.
Edell, Dean S.	Surg.	San Diego County-University Hospital, San Diego, Calif.
Eggert, Ronald C.	Med.	University of Minnesota Hospital, Minneapolis, Minn.
Einstein, Albert B., Jr.	Med.	Johns Hopkins Hospital, Baltimore, Md.
Ennis, Robert S.	Surg.	The New York Hospital, New York, N.Y.
Evans, Frank O., Jr.	Med.	University Hospital Hillman Clinic, Birmingham, Ala.
Fetzer, Arthur E.	Surg.	University Hospitals, Cleveland, Ohio
Fisher, Yale L.	Med.	Cornell University Hospitals, New York, N.Y.
Foraste, Paul F., Jr.	Med.	Presbyterian-St. Luke's Hospital, Chicago, Ill.
Galla, John H.	Rot.	San Francisco General Hospital, San Francisco, Calif.
Grossman, John A.	Ped.	University Hospitals, Cleveland, Ohio
Gunderson, Paul L.	Med.	University of Minnesota Hospital, Minneapolis, Minn.
Gundy, David H.	Med.	University of Minnesota Hospital, Minneapolis, Minn.
Hennekens, Charles	Med.	Cornell University Hospitals, New York, N.Y.
Hill, John J.	Med.	Presbyterian-St. Luke's Hospital, Chicago, Ill.
Hindle, William V., Jr.	Surg.	University Hospitals, Cleveland, Ohio
Hunt, William R.	Med.	University Hospitals, Cleveland, Ohio
Kamell, William M.	Rot.	King County Hospital, Seattle, Wash.
Kaye, Robert A. C.	Med.	Genesee Hospital, Rochester, N.Y.
Keegan, Gerald T.	Rot.	San Diego County-University Hospital, San Diego
Kirchner, F. K., Jr.	Rot.	Mary Fletcher Hospital, Burlington, Vt.
Kirchner, Sandra G.	Rot.	Mary Fletcher Hospital, Burlington, Vt.
Krick, James A.	Med.	Grady Memorial Hospital, Atlanta, Ga.
Lacy, Robert T.	Surg.	San Diego County-University Hospital, San Diego, Calif.
Lesser, Robert L.	Med.	State University-Kings County Medical Center, Brooklyn, N.Y.
Lidston, Bruce M.	Ped.	Cincinnati General Hospital, Cincinnati, Ohio
Lumiere, Richard M.	Surg.	San Diego County-University Hospital, San Diego, Calif.
Marquardt, John L.	Med.	Presbyterian-St. Luke's Hosp., Chicago, Illinois
Matchett, Kenneth M., Jr.	Med.	Duke Hospital, Durham, N. C.
Maull, Kimball I.	Surg.	Duke Hospital, Durham, N.C.
Miller, Mark H.	Med.	Ben Taub-V.A. Hospital, Houston, Tex.
Miller, William D.	Surg.	San Diego County-University Hospital, San Diego, Calif.

* Symbols: Rot—Rotating; Ped—Pediatrics; Med—Medicine; Path—Pathology; Surg—Surgery; Mx—Mixed.

Muchnick, Richard S.	Med.	Cornell University Hospitals, New York, N.Y.
Muller, Steven A.	Rot.	North Shore-Memorial Hospital Center, Manhasset, N.Y.
Nicolosi, Charles R.	Rot.	St. Vincent's Hospital, New York, N.Y.
Oliphant, Michael	Med.	Cornell University Hospitals, New York, N.Y.
Osborn, Lawrence W.	Rot.	University of Oregon Hospitals, Portland, Ore.
Parker, David A.	Surg.	University of Maryland Hospital, Baltimore, Md.
Peterson, Charles A.	Rot.	Virginia Mason Hospital, Seattle, Wash.
Pierce, Paul E.	Med.	Cornell University Hospitals, New York, N.Y.
Pritchard, Rowland W.	Surg.	Mary Hitchcock Memorial Hospital, Hanover, N.H.
Radin, Robert P.	Rot.	Barnes Hospital, St. Louis, Mo.
Rettig, Arthur C., Jr.	Rot.	San Francisco General Hospital, San Francisco, Calif.
Revak, Thomas W.	Med.	Brooklyn Cumberland Medical Center, Brooklyn, N.Y.
Ririe, Delbert G.	Rot.	University of Utah Hospital, Salt Lake City, Utah
Rosen, Steven L.	Med.	Passavant Memorial Hospital, Chicago, Ill.
Rutherford, William L.	Med.	University of California, San Francisco, Calif.
Saudek, Christopher D.	Med.	Presbyterian-St. Luke's Hospital, Chicago, Ill.
Schlernitzauer, Donald A.	Rot.	Mary Imogene Bassett Hospital, Cooperstown, N.Y.
Schwager, Robert G.	Surg.	The New York Hospital, New York, N.Y.
Schweitzer, Philip E.	Med.	Boston City Hospital, Boston University Division, Boston, Mass.
Scott, Robert W.	Surg.	Jefferson Hospital, Philadelphia, Pa.
Severance, Stephen R.	Rot.	Los Angeles County General Hospital-Unit I, Los Angeles, Calif.
Shenasky, John H. II	Surg.	University of Virginia, Charlottesville, Va.
Simonds, Bruce D.	Surg.	San Diego County-University Hospital, San Diego, Calif.
Soles, William P.	Surg.	University of California, San Francisco, Calif.
Spin, Frederick P.	Med.	Cornell University Hospitals, New York, N.Y.
Stiles, William R.	Surg.	Barnes Hospital, St. Louis, Mo.
Sugarbaker, Paul H.	Surg.	Peter Bent Brigham Hospital, Boston, Mass.
Teitelbaum, Mark L.	Med.	Bellevue Hospital, 3rd & 4th Div., New York, N.Y.
Telesh, George G.	Rot.	United States Naval Hospitals, Pensacola, Fla.
Thorp, John M.	Rot.	Public Health Service Hospitals, Staten Island, N.Y.
Tsou, Edward	Med.	Georgetown University Hospital, Washington, D.C.
Turel, Anthony P., Jr.	Med.	University Hospitals, Cleveland, Ohio
Vianna, Nicholas J.	Rot.	Montefiore Hospital, New York, N.Y.
Wedner, H. James	Med.	Barnes Hospital, St. Louis, Mo.
West, Burton C.	Med.	University Hospitals, Seattle, Wash.
Wirth, James B.	Med.	Cornell University Hospitals, New York, N.Y.
Wise, Dennis W.	Surg.	The New York Hospital, New York, N.Y.
Zelko, Russell R.	Surg.	Roosevelt Hospital, New York, N.Y.

REGISTER OF STUDENTS, 1967-68

FOURTH YEAR

Edward Philip Ambinder, A.B. 1964, Princeton University	Bronxville, N.Y.
Arnold Elle Andersen, A.B. 1964, Cornell University	Brooklyn, N.Y.
Jeffrey Mark Applestein, A.B. 1964, Duke University	Trenton, N.J.
Orestes Joseph Arcuni, B.S. 1964, Fordham College	New York, N.Y.
Michael Stuart Balis, B.S. 1964, Franklin & Marshall College	Maplewood, N.J.
John Earle Barnes, A.B. 1962, Stanford University	Rolling Hills, Calif.
Alfred Sidney Barritt III, A.B. 1964, College of the Holy Cross	Brooklyn, N.Y.
Paul Emerson Bates, B.A. 1964, College of the Holy Cross	Rome, N.Y.
Joseph Victor Battista, Jr., A.B. 1964, Princeton University	Mountain Lakes, N.Y.
Robert Forest Bedford, A.B. 1964, Princeton University	Mountain Lakes, N.Y.
George Ellis Berkowitz, A.B. 1964, Princeton University	Philadelphia, Pa.
Thomas Dwight Bird, A.B. 1964, Dartmouth College	Lancaster, Pa.
William Warner Brockman, B.S. 1964, Cornell University	Dobbs Ferry, N.Y.
Stuart Tait Brown, A.B. 1964, Dartmouth College	Lemont, Ill.
David Hoogner Calder, A.B. 1964, Dartmouth College	Wyckoff, N.J.
Gabrielle Arakelian Carlson, B.A. 1964, Wellesley College	New Canaan, Conn.
Harold Ernest Carlson, B.S. 1964, Rensselaer Polytechnic Institute	Falconer, N.Y.
Francis Vincent Chisari, A.B. 1963, Fordham College	Bronxville, N.Y.
Arian Avrom Cohen, B.A. 1964, Columbia University	Brooklyn, N.Y.
Robert Chaplin Collins, B.A. 1964, University of California (Berkeley)*	Los Angeles, Calif.
George Cooper IV, B.A. 1964, Williams College	Charlottesville, Va.
Lois Jacqueline Copeland, A.B. 1964, Cornell University	Woodcliff Lake, N.J.
Anthony Gaetano Coscia, B.S. 1964, Fordham University	New York, N.Y.
John Thomas Daly, B.S. 1964, Manhattan College	New York, N.Y.
James Henry Dauber, B.E.P. 1964, Cornell University*	New York, N.Y.
Steven Allen Dressner, B.A. 1964, Gettysburg College	Great Neck, N.Y.
Enobong Asukwo Ekong, A.B. 1964, Wittenberg University	Uyo, E. Nigeria
Howard Lee Feldman, A.B. 1964, Princeton University	Plainfield, N.J.
John Emerson Feldmann, B.S. 1964, Georgetown University	West Orange, N.J.
Paul Robert Goldstein, A.B. 1964, Cornell University	New York, N.Y.
Edward Leo Goodman, A.B. 1964, Cornell University	Columbus, Ohio
Jerold Bruce Graff, A.B. 1964, Princeton University	Verona, N.J.
David Greene, A.B. 1964, Colby College	New York, N.Y.
Michael Thomas Gyves, B.S. 1964, Fordham College	New York, N.Y.
James Bradley Haddock, B.S. 1964, Bowdoin College	Auburn, Me.
Robert Adrian Hands, Jr., A.B. 1964, Dartmouth College	Upper Saddle River, N.J.
Terry Wilmot Hensle, B.A. 1964, University of Pennsylvania	Hackensack, N.J.
Robert Port Herwick, Jr., A.B. 1964, Cornell University	Basking Ridge, N.J.
Sidney Heumann, A.B. 1964, Columbia University	Brooklyn, N.Y.
Stuart Holden, B.S. 1964, University of Wisconsin	New York, N.Y.
Alfred Louis Horowitz, A.B. 1964, Dartmouth College	Chicago, Ill.
Creig Simmons Hoyt, B.A. 1964, Amherst College	Pittsburgh, Pa.
Stephen Lee Jaffe, B.A. 1964, Purdue University	Scarsdale, N.Y.
Leland Paul Johnson, B.A. 1964, University of Utah	Salt Lake City, Utah
Henry Jerrold Kaplan, A.B. 1964, Columbia University	New York, N.Y.
Robert Mace Kass, B.A. 1964, Kenyon College	Woodmere, N.Y.
Robert Van Allen Ketchum, A.B. 1964, Cornell University	Forest Hills, N.Y.
Garron Lewis Klepach, B.S. 1963, University of Notre Dame	Detroit, Mich.
William Claude Klingensmith III, A.B. 1964, Cornell University	New Kensington, Pa.
James Howard Kocsis, B.A. 1964, Amherst College	Harwinton, Conn.
Robert Edmunds Koehler, Jr., B.A. 1964, The Johns Hopkins University	Milwaukee, Wis.
Katherine Stanton Lane, B.A. 1964, Trinity College	Westfield, N.J.

* On leave of absence, research fellowship.

- John Walter Larsen, A.B. 1964, Dartmouth College
 Peter L. Lavalley, B.A. 1964, Columbia University
 Michael Martin Lewis, B.A. 1964, Tufts University
 John Edward Madsen, Jr., A.B. 1964, University North Carolina
 Robert Steven Marcus, A.B. 1964, Columbia University
 David Peter McCormick, A.B. 1964, Harvard University
 William Scott McDougal, A.B. 1964, Dartmouth College
 John George Meharg, Jr., B.A. 1964, Amherst College
 Ira Mehlman, A.B. 1963, Princeton University
 John Herrick Milhorat, A.B. 1964, Cornell University
 Ruth Dowling Newman, A.B. 1959, Radcliffe College
 Allen Abbe Nimetz, A.B. 1964, Cornell University
 Neil Francis O'Donohue, B.S. 1963, Fordham College
 Joan Louise Page, A.B. 1964, Cornell University
 Steve Richard Piecznik, A.B. 1964, Cornell University
 Ronald Scott Rankin, A.B. 1964, Drew University
 Carl Eric Ravin, A.B. 1964, Cornell University
 Paul Eugene Reading, Jr., A.B. 1964, Cornell University
 Robert William Reidy II, A.B. 1964, Dartmouth College
 John Harger Roediger, B.S.E.E. 1964, Duke University
 John Patrick Rooney III, B.S. 1963, John Carroll University
 John Gerald Rose, B.S. 1964, Fordham University
 Charles David Semel, B.A. 1964, Drew University
 David Hayden Slepian, A.B. 1964, Cornell University
 Ray Merrill Thorpe, A.B. 1964, Stanford University
 George Michael Uhran, B.S. 1963, Fordham University
 John Joseph Vecchione, B.S. 1964, Yale University
 Robert Scofield Walker, A.B. 1964, Cornell University
 Jack Waxman, B.S. 1964, City College of New York
 William Richard White, B.A. 1964, College of the Holy Cross
 Bruce George Wilbur, B.S. 1964, Providence College
 John Buckner Winfield, B.A. 1964, Williams College
 John Charles Wolfe, B.A. 1964, Stanford University
 David Ray Wood, B.S. 1964, University of Utah
 Robert F. Zager, A.B. 1964, Cornell University
 Stephen Arnold Zendel, A.B. 1964, New York University
 Ridgewood, N.J.
 New York, N.Y.
 Great Neck, N.Y.
 Plainfield, N.J.
 New York, N.Y.
 Watertown, N.Y.
 Grand Rapids, Mich.
 Wyomissing, Pa.
 Brooklyn, N.Y.
 Pelham, N.Y.
 New York, N.Y.
 Washington, D.C.
 Brooklyn, N.Y.
 Dayton, Ohio
 New York, N.Y.
 Bernardsville, N.J.
 Bethesda, Md.
 Painesville, Ohio
 Albuquerque, N.M.
 Westfield, N.J.
 Stamford, Conn.
 Valley Stream, N.Y.
 Haskell, N.J.
 Highland Park, Ill.
 Modesto, Calif.
 Flushing, N.Y.
 Sturbridge, Mass.
 Chaplin, Conn.
 Bronx, N.Y.
 Bronxville, N.Y.
 Scarsdale, N.Y.
 Fairfax, Va.
 Arcadia, Calif.
 Idaho Falls, Idaho
 East Patterson, N.J.
 Eastchester, N.Y.

THIRD YEAR

- Saul Joseph Ahola, B.A. 1965, Blackburn College
 Daniel Leon Alkon, B.A. 1965, University of Pennsylvania
 Vincent Daniel Anku, B.A. 1965, Grinnell College
 George Anthony Arangio, A.B. 1965, Cornell University
 Richard Dante Ariola, B.A. 1965, New York University
 Robert McMath Averill, Jr., B.A. 1965, Cornell University
 Ford Ballantyne III, B.A. 1965, Lake Forest College
 Joseph Anthony Belladonna, Jr., B.S. 1965, Fordham University
 George Peter Bloom, B.A. 1965, Cornell University
 Jeffrey Stephen Borer, B.A. 1965, Harvard University
 David W. Boyer, Jr., B.A. 1963, University of Colorado
 Thomas Walter Buchholtz, B.A. 1965, Grinnell College
 Patrick James Cannon, B.S. 1965, St. John's University
 Phillip Carter Carling, Jr., B.S. 1965, University of Dayton
 Barbara Ann Cox, A.B. 1965, Drew University
 William Howard Davidson, B.A. 1965, Portland State College
 Robert Henry Digby, Jr., B.S. 1965, Michigan State University
 Edmond Joseph Donnellan, Jr. A.B. 1965, Georgetown University
 Robert Giles Donovan, B.S. 1965, University of Notre Dame
 Nicholas Reed Dunnick, B.S. 1965, Purdue University
 Dayville, Conn.
 Philadelphia, Pa.
 New York, N.Y.
 Allentown, Pa.
 Brooklyn, N.Y.
 Fort Lauderdale, Fla.
 Grosse Pointe, Mich.
 Brooklyn, N.Y.
 Brooklyn, N.Y.
 New York, N.Y.
 Pueblo, Colo.
 Ames, Iowa
 Bronx, N.Y.
 Fair Haven, N.J.
 Boonton, N.J.
 Milwaukie, Ore.
 E. Lansing, Mich.
 Garden City, N.Y.
 New York, N.Y.
 Goshen, Ind.

- Charles Addison Ellsworth, B.A. 1965, Cornell University
 James Robert Foster, B.A. 1965, Amherst College
 Richard Bruce Friedman, A.B. 1965, Princeton University
 Steven Glenn Gabbe, B.A. 1965, Princeton University
 Kathleen Agnes Gaffney, B.A. 1965, Cornell University
 John Isaac Gallin, B.A. 1965, Amherst College
 Arthur Mayer Gerber, B.M.E. 1959, Cooper Union
 Paul Jacob Grant, A.B. 1965, Columbia University
 Marc Alan Grinberg, B.A. 1964, Dartmouth College
 George William Gross, Jr., B.A. 1965, Hamilton College
 David Henry Gunderson, B.S. 1965, Wheaton College
 Richard Jay Haber, A.B. 1965, Columbia University
 Nicholas Jackson Hardin, B.A. 1965, Amherst College*
 Richard Nathaniel Hatfield, B.S. 1965, University of Massachusetts
 Charles DeLisle Hearey, Jr., A.B. 1964, Wesleyan University
 Douglas Whitmer Hershey, B.A. 1964, Yale University
 John Winslow Hirshfeld, Jr., B.A. 1965, Cornell University
 Judith Lebowich Howland, A.B. 1965, Bryn Mawr College
 Charles George Kelley, B.S. 1965, University of Massachusetts
 Jeffrey Theodore Kessler, B.A. 1965, Wesleyan University
 Francis Henry Koch, A.B. 1965, Fordham University
 Neil Kraybill Kochenour, B.M.E. 1964, Cornell University
 John Mark Lawrence, B.A. 1965, Stanford University
 Robert Theodore Leshner, A.B. 1965, Cornell University
 Alan Herbert Lockwood, A.B. 1965, Cornell University
 Frederick Peter Loy, B.S. 1965, Rutgers University
 Kathleen Denise Maher, B.S. 1965, St. John's University
 Elizabeth Sprague Mann, B.A. 1965, Swarthmore College
 John Douglas Mann, B.A. 1965, Amherst College
 Paul Austin McGee, A.B. 1965, St. Peter's College
 Michael Benjamin McKee, B.A. 1965, Carleton College
 George William Middleton, B.S. 1965, University of Utah
 Robert S. Modlinger, B.A. 1965, Columbia University
 Dudley Thomas Moorhead II, A.B. 1965, Stanford University
 Michael Francis Mulroy II, A.B. 1964, Georgetown University
 Richard Talbot Nist, Jr., B.A. 1965, University of Minnesota
 James Stanley Ogsbury, Jr., B.A. 1965, Denison University
 Leonard Monell Olmsted, Jr., B.S. 1964, Rutgers University
 Bernard Milton Paladino, A.B. 1965, Cornell University
 Leighton Brown Parker, Jr., A.B. 1965, Duke University
 Grant Van Siden Parr, A.B. 1965, Wesleyan University
 Kenneth Richard Peelle, B.A. 1965, Cornell University
 Stephen Lawrence Pelton, A.B. 1965, Houghton College
 Lawrence Richard Poliner, B.S. 1965, University of Notre Dame
 George Popel, B.S. 1965, Fordham University
 John Albert Rothschild, B.A. 1965, Cornell University
 David Louis Schenkar, B.A. 1965, University of Washington
 Paul Charles Schuler, A.B. 1965, Dartmouth College
 Michael Alan Schwartz, A.B. 1965, Princeton University
 Leroy Ralph Sharer, Jr., A.B. 1965, Cornell University
 Stephen Richard Shaul, A.B. 1965, Dartmouth College
 Dale Gottdiener Sickles, A.B. 1965, Cornell University
 Edward Allen Sickles, A.B. 1965, Columbia University
 Jack William Simon, B.A. 1965, Amherst College
 Robert Steven Singer, B.S. 1965, University of Washington
 Sidney Fredrick Stein, A.B. 1965, Dartmouth College
 Warren Lee Van Kampen, B.S. 1965, Wheaton College
 Robert Lyne Warburton, B.S. 1965, University of Utah
 Paul Irving Wassermann, B.A. 1965, Utah State University
 Richard Dearborn Whiting, B.A. 1965, Boston University
 Daniel Turk Williams, B.A. 1965, Columbia University
 Richard William Wilson, A.B. 1965, Ohio Wesleyan University
 Waterville, N.Y.
 New Canaan, Conn.
 Great Neck, N.Y.
 New York, N.Y.
 Highland, N.Y.
 New York, N.Y.
 Brooklyn, N.Y.
 El Paso, Tex.
 Pittsburgh, Pa.
 Westfield, Pa.
 Chicago, Ill.
 New York, N.Y.
 Needham, Mass.
 Hamilton, Mass.
 Oaklyn, N.J.
 Hershey, Pa.
 Ithaca, N.Y.
 Saratoga Springs, N.Y.
 Petersham, Mass.
 Boston, Mass.
 Paterson, N.J.
 Lancaster, Pa.
 Orinda, Calif.
 Brooklyn, N.Y.
 Albany, N.Y.
 Scotch Plains, N.Y.
 Flushing, N.Y.
 Lakewood, Ohio
 St. Charles, Ill.
 Jersey City, N.J.
 Wichita, Kan.
 Salt Lake City, Utah
 Brooklyn, N.Y.
 San Jose, Calif.
 Alton, Ill.
 Minneapolis, Minn.
 Brewster, N.Y.
 South Orange, N.J.
 Mount Pleasant, Pa.
 Manning, S.C.
 Morristown, N.J.
 Rock Stream, N.Y.
 Alden, N.Y.
 Albuquerque, N.M.
 New York, N.Y.
 Skokie, Ill.
 Mercer Island, Wash.
 Washington, D.C.
 New Rochelle, N.Y.
 Mount Carmel, Pa.
 Fair Lawn, N.J.
 Poughkeepsie, N.Y.
 New York, N.Y.
 Deal, N.J.
 Seattle, Wash.
 Swampscott, Mass.
 Wheaton, Ill.
 Salt Lake City, Utah
 Logan, Utah
 Dover, Mass.
 Kew Gardens, N.Y.
 Scarsdale, N.Y.

Frederick Floyd Wolfe, B.A. 1965, Columbia University	Mt. Carmel, Pa.
George Frederick Wooten, Jr., B.A. 1965, Rice University	Talladega, Ala.
Charles Victor Wylie, B.S. 1964, University of Utah	Salt Lake City, Utah
James Warren Wynne, B.S. 1965, St. Peter's College	Passaic, N.J.
Anthony Paul Zavadil III, B.A. 1965, Cornell University	Bethesda, Md.

SECOND YEAR

Louis Eugene Bartoshesky, A.B. 1966, University of Notre Dame	Wilmington, Del.
Dennis Hawthorne Becker, B.S. 1966, Duke University	Roslyn Heights, N.Y.
Robert Sanford Bennett, A.B. 1964, Dartmouth College	Worcester, Mass.
Peter William Blumencranz, B.A. 1966, University of Pennsylvania	Kings Point, N.Y.
James Stephen Borges, B.A. 1966, Drew University	Cranford, N.J.
Robert Lawrence Braham, A.B. 1966, Cornell University	Forest Hills, N.Y.
Richard James Brewer, A.B. 1966, Cornell University	West Hartford, Conn.
Daniel Thomas Broderick III, B.S. 1966, University of Notre Dame	Pittsburgh, Pa.
David Arthur Browne, B.A. 1966, Cornell University	Ithaca, N.Y.
Robert Alexander Cerwin, B.S. 1966, St. John's University	Bronx, N.Y.
Cecil Chang, B.A. 1966, Yale University	Hollis, N.Y.
Randolph Seville Charlton, B.A. 1966, Wesleyan University	Wilton, Conn.
Rita Coleman, B.A. 1966, Marymount College	New York, N.Y.
Robert Howard Condon, B.S. 1966, Bucknell University	Jackson Heights, N.Y.
Patrick Coonan, B.A. 1966, Cornell University	Goldsboro, N.C.
Gerald Joseph Cordani, B.S. 1966, The City College of New York	Bronx, N.Y.
Anthony Ignatius Corvelli, B.S. 1966, Fordham University	Bronx, N.Y.
Ellen Rees De Bell, B.A. 1966, Oberlin College	Rockville Centre, N.Y.
Paul William De Bell, A.B. 1965, Oberlin College	Passaic, N.J.
Thomas Geiger Donovan, B.S. 1966, University of Notre Dame	Maysville, Ky.
Lloyd Richard Dropkin, B.S. 1966, Cornell University	Ithaca, N.Y.
Richard Bruce Drucker, B.A. 1966, Colgate University	New York, N.Y.
Robert Forsyth Fallon, Jr., A.B. 1966, Cornell University	East Aurora, N.Y.
William Walter Goodhue, B.S. 1966, Georgetown University	Eleele, Kauai, Hawaii
Robert Dana Gordon, B.A. 1966, Amherst College	Hewlett Harbor, N.Y.
James Glenn Haines, B.A. 1966, Johns Hopkins University	Wyomissing, Pa.
Thomas Shelor Harbin, Jr., B.A. 1966, Vanderbilt University	Rome, Ga.
David Frederick Harris, B.A. 1966, Dartmouth College	Oyster Bay, N.Y.
Peter Bradley Tate Haughton, A.B. 1966, Cornell University	Jamaica, West Indies
Clark Nelson Hopson, A.B. 1966, Brown University	Glen Ridge, N.J.
Robert Edwin Ingham, A.B. 1966, University of California (Berkeley)	Lafayette, Calif.
Peter Arthur Jarvis, B.S. 1966, City College of New York	New York, N.Y.
Richard Clemens Karl, Jr., B.A. 1967, Cornell University	Pelham, N.Y.
Richard Alan Katz, A.B. 1966, Cornell University	Beverly, N.J.
Kenneth Jay Kessler, B.A. 1966, University of Virginia	Lakewood, N.J.
John Warren Kirk, A.B. 1966, Providence College	Oak Park, Ill.
Howard Henry Kirtland III, B.S. 1966, Georgetown University	Poughkeepsie, N.Y.
Arthur Paul Knauert, A.B. 1966, Columbia University	New York, N.Y.
Kenneth John Kurtz, B.A. 1966, Williams College	Pittsburgh, Pa.
Gregory Michael La Gana, B.S. 1966, St. Peter's College	Nutley, N.J.
Ernest William Lampe II, A.B. 1962, Brown University	Minneapolis, Minn.
Salvatore Anthony J. Latteri, B.A. 1966, St. Michael's College	Clifton, N.J.
David Stephen Lerner, A.B. 1966, Columbia University	Brooklyn, N.Y.
Barry Steven Levy, B.A. 1966, Tufts University	Bayonne, N.J.
Louis Anthony Lobes, Jr., A.B. 1966, College of the Holy Cross	Pelham Manor, N.Y.
Michael Bruce MacQuarrie, A.B. 1966, Dartmouth College	Long Beach, Calif.

126 FIRST YEAR

Richard Lawrence Mattson, B.A. 1966, Carleton College	Wichita, Kan.
Clifford Ray Miller, B.S. 1966, State University of New York (Buffalo)	
Robert Gordon Miller, B.S. 1963, United States Naval Academy	Tonawanda, N.Y.
Stephen Henry Moore, B.A. 1966, University of Minnesota	Miramar, Calif.
Michael James Morris, B.A. 1966, Cornell University	Richville, Minn.
Roy Michael Nuzzo, B.A. 1966, Rutgers University	Hurley, N.Y.
Robert Ernest Prout, B.A. 1966, Cornell University	Hawthorne, N.J.
Robert Michael Quinlan, B.S. 1966, College of the Holy Cross	Portland, Conn.
Charles David Richards, B.A. 1966, University of Utah	Watertown, Mass.
Diane Marie Richters, B.S. 1966, Bucknell University	Salt Lake City, Utah
Mark Jeffrey Rosenberg, B.A. 1966, Amherst College	River Edge, N.J.
Roger Michael Rossomondo, B.S. 1966, Providence College	Maplewood, N.J.
Robert Joseph Rubin, B.A. 1966, Williams College	Haworth, N.J.
Roy Michael Rubin, B.A. 1966, Dartmouth College	Brooklyn, N.Y.
William Atkinson Ruth, B.A. 1966, Yale University	Hempstead, N.Y.
Jurij Savvykyj, B.S. 1966, Utica College	Ardsley-on-Hudson, N.Y.
Edgar Charles Schick, Jr., B.S. 1966, College of the Holy Cross	Utica, N.Y.
Stuart Floyd Scides, B.S. 1967, Pennsylvania State University	Delmar, N.Y.
Richard Michael Sigel, A.B. 1966, Cornell University	Jericho, N.Y.
Carol Frances Singer, B.A. 1966, University of Michigan	New York, N.Y.
Peter George Sohnle, B.A. 1966, Rutgers University	Teaneck, N.J.
Richard Alfred Sperling, B.A. 1966, University of North Carolina	Basking Ridge, N.J.
Howard Charles Steier, A.B. 1966, Queens College	North Plainfield, N.J.
Henry Ellis Streitfeld, A.B. 1966, Dartmouth College	Douglaston, N.Y.
Peter Imre Antal Szilagyi, B.S. 1965, Yale University; M.A. 1966, Harvard University	Flushing, N.Y.
Susan Scholl Szilagyi, B.A. 1966, Grinnell College	Hamden, Conn.
Michael David Talbot, A.B. 1966, Columbia University	St. James, Mo.
Richard Loren Tax, B.A. 1966, Hofstra University	New York, N.Y.
Eric Joseph Thomas, B.S. 1966, Fordham University	Westbury, N.Y.
Eric Neil Thompson, A.B. 1966, Cornell University	Bronx, N.Y.
Thomas Stone Thornhill, A.B. 1966, Williams College	Poughkeepsie, N.Y.
Stephen Ernest Tosi, A.B. 1966, Dartmouth College	Charleston, W.Va.
Henry Davis von Oesen, B.A. 1966, Amherst College	Shrewsbury, Mass.
Steven Edward Vogl, A.B. 1966, Cornell University	Wilmington, N.C.
Harold Walker Ward, Jr., B.A. 1966, Lehigh University	Brooklyn, N.Y.
Frederick Louis Weber, Jr., B.A. 1966, Wesleyan University	Glasgow, Ky.
George Lewis Wineburgh, B.A. 1966, Cornell University	Syracuse, N.Y.
	Utica, N.Y.

FIRST YEAR

Francis Vincent Adams, A.B. 1967, Georgetown University	Forest Hills, N.Y.
Lawrence Yawo Agodaa, B.A. 1967, State College of Iowa	Ghana, West Africa
Ronald Frederick Altman, A.B. 1967, Cornell University	Rockville Centre, N.Y.
Laurence Richard Avins, B.A. 1967, Amherst College	Princeton, N.J.
Richard Stuart Bailyn, A.B. 1967, Cornell University	Teaneck, N.J.
Charles Frederick Barer, B.A. 1967, Cornell University	Bronxville, N.Y.
Francis Joseph Bia, B.A. 1967, Fordham University	New York, N.Y.
Julian Bindler, A.B. 1967, Cornell University	Flushing, N.Y.
Susan Erma Blank, B.A. 1967, Emory College	Atlanta, Ga.
Peter Anthony Blasco, B.S. 1967, Georgetown University	Rosemount, Minn.
Wayne Robert Brinton, B.S. 1967, University of Utah	Salt Lake City, Utah
Paul Axtell Bunn, B.A. 1967, Amherst College	Dewitt, N.Y.
Lawrence Reid Burdige, Jr., B.A. 1964, Duke University	Red Bank, N.J.
Fred Chin Chu, A.B. 1967, Princeton University	Jersey City, N.J.
Arnold William Cohen, B.S. 1967, Bucknell University	Fair Lawn, N.J.
James Robert Cohen, A.B. 1967, Cornell University	Elkins Park, Pa.

- David Allen Console, A.B. 1967, Cornell University
 John Bennett Coombs, B.S. 1967, University of Washington
 Florence Grace Crawford, B.A. 1967, Drew University
 Thomas James Crawford, A.B. 1967, Hamilton College
 Robert Louis Cucin, B.S. 1967, Cornell University
 John Francis Denver, Jr., B.S. 1967, University of Notre Dame
 Jay Gaston DuBois, A.B. 1967, Cornell University
 Stephen Curtis Duck, A.B. 1967, Wesleyan University
 Jeanette Arleah Easton, B.S. 1967, Muhlenberg College
 Jeffrey John Eckardt, B.A. 1967, Williams College
 Louis Cornelius Enkema, Jr., A.B. 1967, Stanford University
 Keith Fortier, B.S. 1967, Rutgers University
 Thomas Mark Fortuin, A.B. 1967, Columbia University
 Howard Alan Freed, B.A. 1967, Brandeis University
 James Arthur Fry, B.S. 1967, Grinnell College
 Kent R. Gamette, B.S. 1967, Brigham Young University
 Walter Frederick George, B.A. 1967, Holy Cross College
 Jeffrey Neal Gingold, B.A. 1967, Tufts University
 David Ross Gutknecht, A.B. 1967, Cornell University
 Eric Ian Gutnick, B.A. 1967, Ohio Wesleyan University
 Ronald Keith Harris, B.S. 1967, Upsala College
 John David Haynes, Jr., B.S. 1967, Wheaton College
 Boyd Frederick Helmkamp, B.A. 1967, Brown University
 Wynn Howard Hemmert, B.S. 1967, University of Utah
 Richard Thomas Hoppe, B.A. 1967, Cornell University
 David Anthony Horvat, B.S. 1967, Boston College
 John Joseph Janick, B.S. 1967, State University of New York
 (Albany)
 Ronald Steven Kahan, B.A. 1967, Yale University
 David Richard Kalifon, B.S. 1967, Rutgers University
 Michael Jerome Kaminsky, B.A. 1967, Yale University
 Morton Aaron Kamzan, B.S. 1967, Union College
 John Allen Kessler, B.A. 1967, Princeton University
 Mitchell Harlan Koch, A.B. 1967, Cornell University
 Timothy Walter Lane, B.A. 1967, Yale University
 Robert Laureno, A.B. 1967, Cornell University
 Wayne Lawrence Letizia, B.A. 1967, Dartmouth College
 David Seth Liebling, B.A. 1967, Rutgers University
 John W. Little III, A.B. 1966, Stanford University
 Ivan Stewart Login, B.A. 1967, University of Pennsylvania
 Richard Alan Lynn, B.A. 1967, The New York University
 Theo Clyde Manschreck, B.A. 1967, Carleton College
 Paul Thomas McDonald, B.S. 1965, U. S. Military Academy
 Thomas Saunders Moore, B.A. 1967, University of Virginia
 Peter Allen Monoson, B.A. 1967, Hamilton College
 John Merritt Morse, B.S. 1967, Iowa State
 Patrick Joseph Murphy, A.B. 1967, Holy Cross College
 Marianne Nucci Prout, B.A. 1967, Cornell University
 Angel Jesus Olazabal, B.S. 1967, Manhattan College
 Edward Carleton Palmer, A.B. 1967, Dartmouth College
 John Craig Perlmutter, B.A. 1967, Queens College
 Eugene John Pilek, B.S. 1967, Iona College
 Henry Anthony Pitt, A.B. 1967, Cornell University
 Ronald Mark Podell, A.B. 1967, Cornell University
 Robert Lawrence Protell, A.B. 1967, Rutgers University
 Louis Edward Rambler, A.B. 1967, Princeton University
 Charles W. Rance, B.S., Georgetown
 John Peter Roberts, B.A. 1967, Middlebury College
 Robert George Robinson, A.B. 1967, Cornell University
 Nancy J. Ronsheim, B.S. 1964, Cornell; M.A.T. 1965, Harvard
 Steven Gerald Rosenblatt, B.A. 1967, Vanderbilt University
 Brian Raymond Rutley, B.A. 1967, University of San Francisco
 Roslyn, N.Y.
 Seattle, Wash.
 Asbury Park, N.J.
 Whitesboro, N.Y.
 New York, N.Y.
 Merrick, N.Y.
 St. Louis, Mo.
 Indianapolis, Ind.
 Englishtown, N.J.
 Memphis, Tenn.
 Berkeley, Calif.
 Manasquan, N.J.
 Wyckoff, N.J.
 New York, N.Y.
 Naperville, Ill.
 Provo, Utah
 Croton-on-Hudson, N.Y.
 Great Neck, N.Y.
 Nutley, N.J.
 Philadelphia, Pa.
 Bricktown, N.J.
 Nanuet, N.Y.
 Miami, Fla.
 Afton, Wyo.
 Seaford, N.Y.
 Danielson, Conn.
 Port Chester, N.Y.
 Larchmont, N.Y.
 Newark, N.J.
 Memphis, Tenn.
 Long Beach, N.Y.
 Boston, Mass.
 Mt. Kisco, N.Y.
 Houlton, Me.
 University Heights, Ohio
 Newark, N.J.
 Springfield, N.J.
 San Juan Capistrano, Calif.
 North Bergen, N.J.
 West Hempstead, N.Y.
 Chicago, Ill.
 Fort Campbell, Ky.
 Newport News, Va.
 Brooklyn, N.Y.
 La Grange, Ill.
 Chicago, Ill.
 South Bend, Ind.
 Bayamon, P.R.
 Fall River, Mass.
 Rego Park, N.Y.
 Bronx, N.Y.
 Union, N.J.
 Red Bank, N.J.
 Fort Lee, N.J.
 Cherry Hill, N.J.
 Garden City, N.Y.
 Kingston, N.Y.
 Pittsburgh, Pa.
 Great Neck, N.Y.
 Chevy Chase, Md.
 Inglewood, Calif.

Carl Howard Sadowsky, B.S. 1967, State University of New York
(Stony Brook)

Bill Stuart Schnall, B.A. 1967, Kenyon College

Kenneth Victor Schwartz, A.B. 1967, Princeton College

David William Schwenker, B.S. 1967, Cornell University

Roger Pancoast Simon, B.S. 1964, M.S. 1967, Pennsylvania
State University

Bruce Michael Smith, B.A. 1967, Queens College

James Morgan Sprott, Jr., B.A. 1967, Vanderbilt University

Donald Robert Steinmuller, B.A. 1967, Williams College

Nestor Bohdan Tomycz, B.S. 1967, Rensselaer Polytechnic
Institute

Russell John Vergeichik, B.A. 1967, Columbia University

Michael Peter Weinstein, A.B. 1967, Cornell University

Robert George Wickiewicz, B.S. 1967, St. Peter's College

Richard James Yeager, B.A. 1967, Swarthmore College

Hollis, N.Y.

Hewlett, N.Y.

Millburn, N.J.

Scotia, N.Y.

Philadelphia, Pa.

Bayside, N.Y.

Lake Wales, Fla.

Marblehead, Mass.

Utica, N.Y.

Harrington Park, N.J.

Great Neck, N.Y.

Jersey City, N.J.

Toms River, N.J.

SUMMARY

Fourth Year	86
Third Year	86
Second Year	83
First Year	90
Total	345

REGISTER OF THE MEDICAL COLLEGE AND SLOAN-KETTERING STAFFS

Abadi, Issac	Medicine	81
Abel, Donald W.	Surgery	104
Abel, Henriette E.	Medicine	81
Abel, Robert R.	Medicine	78
Abrahams, Irving	Microbiology	84
Abu-Nassar, Solange G.	Pathology	90
Adelson, Edward T.	Psychiatry	97
Adler, Howard	Medicine	81
Adler, Karl	Medicine	81
Advocate, Seymour	Medicine	78
Albrecht, Alberta M.	Sloan-Kettering (Biology)	118
Alderman, Michael H.	Medicine	81
Alexander, Benjamin	Medicine	77
Allen, Fred H.	Pediatrics	91
Allen, Martin G.	Psychiatry	97
Almy, Thomas P.	Medicine	77
Alonso, Daniel R.	Pathology	90
Altman, Ina R.	Radiology	101
Altman, Norman	Psychiatry	97
Amstutz, Harlan	Surgery	103
Anderson, Arthur A., Jr.	Psychiatry	96
Anderson, Arthur F.	Pediatrics (Emeritus)	11
Anderson, David G.	Surgery	104
Anderson, Karl	Medicine	81
Anderson, Richard D.	Radiology	101
Anderson, William A.	Medicine	81
Antoville, Anthony A.	Medicine	78
Apgar, Virginia	Pediatrics	92
Arcuri, Joseph	Psychiatry	97
Arditi, Lucian I.	Medicine	79
Armistead, George C.	Medicine	79
Armstrong, Donald	Medicine	79
Arnold, William D.	Surgery	103
Aronson, Jason	Psychiatry	96
Artusio, Joseph F., Jr.	Anesthesiology	74
Asaph, James W.	Surgery	104
Ascheim, Robert S.	Medicine	81
Ashe, Barbara S.	Pediatrics	91
Ashikari, Hiroyuki	Surgery	106
Askari, Amir	Pharmacology	93
Atkinson, Sam C.	Medicine	77
Auerbach, Sumner	Medicine	81
Auld, Peter A. Mcf.	Pediatrics	91
Ault, Lynn L.	Surgery	104
Austin, Francis J.	Microbiology	84
Avenia, Richard W.	Biochemistry	76
Avnet, Samuel	Surgery	104
Axel, Peter	Pediatrics	92
Baer, Ralph A.	Medicine	81
Baker, Ralph D.	Psychiatry	97
Baker, William	Medicine	81
Balagura, Sulamita	Physiology	94
Balasz, Leslie	Anesthesiology	74
Balensweig, Howard D.	Surgery	104
Balis, M. Earl	Sloan-Kettering (Biochemistry)	117
Bandukwala, Nadira	Pathology	90
Barandes, Martin	Medicine	81

130 REGISTER OF COLLEGE AND SLOAN-KETTERING STAFFS

Baraona, Enrique	Medicine	81
Barber, Hugh R. K.	Obstetrics & Gynecology	87
Barclay, Ralph K.	Sloan-Kettering (Biochemistry)	117
Barile, Raymond G.	Anesthesiology	74
Barnes, Lloyd T.	Medicine	79
Barnes, William A.	Surgery	102
Barondess, Jeremiah A.	Medicine	77
Barr, David P.	Medicine (Emeritus)	11
Barten, Harvey H.	Psychiatry	97
Bashkin, Edmund A.	Psychiatry	96
Basile, Naef K.	Obstetrics & Gynecology	87
Bass, Richard R.	Pediatrics	91
Bauer, Charles H.	Pediatrics	91
Bauer, Goran C. H.	Surgery	102
Baumgartner, Leona	Pediatrics; Public Health	91; 99
Baxter, James E.	Psychiatry	97
Bayer, Michael	Medicine	81
Baylor, Curtis H.	Medicine	79
Bearn, Alexander G.	Medicine	77
Beattie, Edward J.	Surgery	105
Beaver, William T.	Pharmacology	93
Beck, Richard L.	Surgery	104
Becker, Carl G.	Pathology	89
Becker, David V.	Medicine; Radiology	77; 101
Becker, E. Lovell	Medicine	77
Beckett, Thomas	Psychiatry	97
Behrman, Stanley J.	Surgery	103
Beling, Carl	Obstetrics & Gynecology	87
Belshaw, Bruce	Medicine	81
Bendich, Aaron	Sloan-Kettering (Biochemistry)	117
Beneventi, Francis A.	Surgery	103
Benjamin, Bry	Medicine	79
Bennett, Dorothea	Anatomy	72
Berenberg, Samuel R.	Public Health; Pediatrics	99; 91
Beresford, H. Richard	Medicine	81
Bergland, Richard M.	Surgery	103
Bernstein, James S.	Medicine	81
Berntsen, Carl A.	Medicine	79
Besley, Richard N.	Psychiatry	97
Bethea, James S.	Surgery	104
Bettigole, Richard E.	Medicine	79
Betz, Barbara J.	Psychiatry	96
Bezan, Allan I.	Pediatrics	92
Bhardwaj, V. D.	Pediatrics	92
Biedler, June L.	Sloan-Kettering (Biology)	118
Bienenstock, Harry	Medicine	81
Billo, Otto E.	Pediatrics	91
Binford, Robert T.	Medicine	79
Bippart, Charles H.	Obstetrics & Gynecology	87
Birnbaum, Stanley	Obstetrics & Gynecology	87
Bittner, Richard	Pharmacology	93
Blank, Alan M.	Obstetrics & Gynecology	87
Blitz, Marvin B.	Psychiatry	97
Bloom, Alan A.	Medicine	81
Bloom, Lawrence M.	Psychiatry	97
Blum, Morton	Medicine	81
Bodansky, Oscar	Sloan-Kettering (Biochemistry)	117
Bonsnes, Roy W.	Biochemistry; Obs. & Gyn.	76; 86
Booher, Robert J.	Surgery	105
Borenfreund, Ellen	Sloan-Kettering (Biochemistry)	117
Boris, Marvin	Pediatrics	92
Borovac, Dragan	Anesthesiology	74
Bortin, Aaron W.	Medicine	81

Boyan, C. Paul	Anesthesiology	75
Boyse, Edward A.	Sloan-Kettering (Biology)	118
Bowden, Lemuel	Surgery	105
Bowers, William F.	Biochemistry	76
Brachfeld, Norman	Medicine	79
Bradford, Kenneth	Pediatrics	92
Bradford, Michael	Medicine	81
Bragg, David G.	Radiology	101
Brander, Jerome H.	Obstetrics & Gynecology	87
Branwood, A. Whitley	Pathology	89
Brasfield, Richard D.	Surgery	105
Braunstein, Paul W.	Surgery	103
Braveman, Warren S.	Medicine	81
Brennan, Robert	Medicine	81
Breslow, Esther	Biochemistry	76
Bress, James	Medicine	81
Brethwaite, Samuel H., Jr.	Medicine	81
Brewster, Hollister P.	Medicine	81
Briccetti, Albert	Medicine	81
Brice, Mitchell H.	Surgery	104
Brill, Paula	Pediatrics	92
Brilliant, Renee M.	Pediatrics	92
Brockunier, Alfred, Jr.	Obstetrics & Gynecology	87
Brodman, Keeve	Medicine	79
Brooks, Dana C.	Anatomy	72
Brooks, George	Medicine	81
Brooks, Michael J.	Anesthesiology	74
Brown, George B.	Sloan-Kettering (Biochemistry)	117
Brown, H. Oliver, Jr.	Medicine	81
Brown, James W.	Psychiatry	97
Brown, John Lyman	Medicine	79
Brown, Stuart I.	Surgery	103
Brown, Veronica	Medicine	79
Browne, Michael	Surgery	104
Browne-Mayers, Albert	Psychiatry	96
Brunschwig, Alexander	Surgery (Emeritus)	11
Bryan, James W.	Surgery	104
Buchanan, J. Robert	Medicine; Associate Dean	77
Buchanan, Mary C.	Pediatrics	92
Buchman, Myron I.	Obstetrics & Gynecology	86
Buckley, Jerald D.	Obstetrics & Gynecology	87
Bull, Frederick G.	Medicine	81
Bullock, Leslie	Pediatrics	92
Burchenal, Joseph H.	Medicine	77
Burgert, Woodward, Jr.	Pathology	90
Burkhardt, Edward A.	Medicine	79
Burstein, Charles	Anesthesiology	74
Bynum, Turner E.	Medicine	81
Cabot, Hector M.	Obstetrics & Gynecology	87
Cadden, James J.	Psychiatry	97
Cahan, William G.	Surgery	105
Camarda, Anthony	Surgery	104
Cameron, Donald J.	Medicine	79
Camp, Walter A.	Medicine	81
Campbell, Rolla D., Jr.	Surgery	103
Canale, Virginia C.	Pediatrics	92
Cappuccino, James G.	Sloan-Kettering (Biology)	118
Carey, Thomas I.	Surgery	104
Carlen, Alexander	Psychiatry	97
Carlson, Arthur S.	Pathology	90
Carlson, Eric T.	Psychiatry	96
Carnay, Laurence	Pediatrics	92
Carney, Stephen E.	Surgery	104

Caron, Arthur S.	Surgery	106
Carpenter, Charles W.	Surgery	104
Carpenter, Walter T.	Pediatrics	92
Carr, Henry A.	Medicine	77
Carruthers, Richard	Medicine	81
Carson, Robert S.	Psychiatry	97
Carver, Susan T.	Medicine	79
Cash, William D.	Biochemistry	76
Caterinicchio, Benedict S.	Pediatrics	92
Catlin, Daniel	Surgery	105
Cattell, McKeen	Pharmacology (Emeritus)	11
Cavalieri, Liebe F.	Sloan-Kettering (Biochemistry)	117
Celian, Charles I.	Psychiatry	97
Cerruli, Remo	Psychiatry	97
Chan, Walter W. Y.	Pharmacology	93
Charash, Leon J.	Pediatrics	92
Chaves, Aaron D.	Medicine; Public Health	77; 99
Chen, Ching-Ming	Anesthesiology	74
Cho, Doo-Young	Psychiatry	97
Cho, Eun-Sook	Pathology	90
Choi, Young Ja	Pathology	90
Christenson, William N.	Medicine	77
Chu, Florence Chien-Hwa	Radiology	101
Church, Edwin H.	Psychiatry	97
Chynn, Kuo York	Radiology	101
Cipollaro, Anthony	Medicine (Emeritus)	11
Cipollaro, Vincent	Medicine	81
Citrin, Gary	Pharmacology	93
Claremont, Hugh E.	Medicine	79
Clark, Donald G. C.	Surgery	105
Clark, Melva A.	Medicine	79
Clarke, Robert L.	Surgery	104
Clarkson, Bayard D.	Medicine	79
Clay, Reuben A., Jr.	Obstetrics & Gynecology	87
Clayson, David M.	Psychiatry	96
Clements, Margaret H. S.	Pathology	89
Clifford, George O.	Medicine	77
Clifton, Eugene E.	Surgery	105
Climo, Merrill S.	Surgery	104
Coats, Edward C.	Surgery	104
Codington, John F.	Sloan-Kettering (Biochemistry)	117
Cohen, Burton D.	Medicine	81
Cohen, Eugene J.	Medicine	77
Cohen, Ira B.	Medicine	79
Cole, John T.	Obstetrics & Gynecology	87
Coleman, Morton	Medicine	81
Colker, Joel	Medicine	81
Collier, Robert	Medicine	81
Colston, William C.	Radiology	101
Condouris, George	Public Health	99
Connolly, C. Stephen	Medicine	81
Constantine, Elizabeth F.	Surgery	104
Conway, Herbert	Surgery	102
Coombs, Francis P.	Medicine	81
Cooper, Howard N.	Psychiatry	97
Cooper, William	Surgery (Orthopedics)	102
Corey, Karin R.	Sloan-Kettering (Biophysics)	119
Cormia, Frank E.	Medicine (Dermatology)	77
Cornell, George N.	Surgery	103
Cortese, Armand	Surgery	104
Costes, Michel	Anesthesiology	74
Cox, Denton S.	Medicine	79
Cramer, Jean Abel	Medicine	79

Craver, Lloyd F.	Medicine (Emeritus)	11
Crawford, David B., Jr.	Obstetrics & Gynecology	87
Crippa, Luisella C.	Pediatrics	92
Culbert, Charles M.	Obstetrics & Gynecology	87
Cummins, F. Mitchell	Radiology	101
Curran, Robert	Medicine	81
Curtis, Gabriel G.	Anesthesiology	74
Cushley, Robert J.	Sloan-Kettering (Biochemistry)	117
Da Cruz, Thomas	Medicine	81
Dalldorf, Gilbert	Sloan-Kettering (Biology)	118
Danes, Betty S.	Medicine	77
Dangelmajer, Rudolph C.	Surgery	104
Daniels, Farrington, Jr.	Medicine (Dermatology)	77
Daniells, Helen E.	Psychiatry	96
Dargeon, Harold W. K.	Pediatrics (Emeritus)	11
Davis, Carter	Medicine	81
Davis, E. William	Obstetrics & Gynecology	86
Davis, Marion	Medicine	79
Davis, Milton S.	Medicine	79
Deal, C. Pinckney	Medicine	81
De Alvarado, Lois	Psychiatry	97
Deans, Robert D.	Surgery	104
DeCarli, Lenore	Medicine	81
Deddish, Michael R.	Surgery	105
De Gara, Paul F.	Medicine; Pediatrics	77; 91
Degnan, Walter	Medicine	81
De Harven, Etienne	Sloan-Kettering (Biology)	118
Deitrick, John E.	Medicine; Dean	77
Deitrick, John E., Jr.	Surgery	104
Delaney, John R.	Psychiatry	97
De Mayo, Alan P.	Pediatrics	92
De Nesnera, Peter	Medicine	81
Dennen, Edward H.	Obstetrics & Gynecology (Emeritus)	11
De Oliveira, Antonio P.	Anatomy	72
De Palo, Angelo J.	Surgery	105
Deschner, Eleanor	Medicine; Radiology	81; 101
Desser, Edgar G.	Medicine	81
Diacumakos, Elaine G.	Sloan-Kettering (Biology)	118
Diamant, Bernard	Medicine	81
Diamond, Judith	Public Health	99
Diamond, Monroe T.	Medicine	79
Dickerman, Robert W.	Microbiology	84
Diehl, Carolyn H.	Medicine	79
Dieterle, Carl H.	Surgery	104
Diethelm, Oskar	Psychiatry (Emeritus)	11
Di Gangi, Mary V.	Psychiatry	97
Di Leo, Joseph H.	Pediatrics	92
Dillon, Thomas F.	Obstetrics & Gynecology	86
Dimich, Alexandra	Medicine	81
Dineen, Peter	Surgery	103
Dobrowolski, Peter E.	Radiology	101
Doherty, John H.	Surgery	103
Dollinger, Malin R.	Medicine	81
Dougherty, John W.	Medicine	77
Dougherty, Joseph C.	Medicine	79
Douglas, R. Gordon	Obstetrics & Gynecology (Emeritus)	11
Dowling, Monroe	Medicine	81
Downs, Lawrence A.	Psychiatry	98
Doyle, Thomas L., Jr.	Psychiatry	97
Draper, John W.	Surgery (Urology)	102
Drew, J. Edwin	Surgery	103
Duggan, Francis J., Jr.	Surgery	104
Duley, Wade	Surgery	104

Dunbar, Charles R.	Surgery	104
Dunbar, Howard S.	Surgery	103
Dunkell, Samuel V.	Psychiatry	97
Dunlap, Edward A.	Surgery (Ophthalmology)	103
Dunn, Michael W.	Surgery	104
Dunning, Henry S.	Medicine (Neurology)	77
D'Urso, John	Obstetrics & Gynecology	87
Du Vigneaud, Vincent	Biochemistry (Emeritus)	11
Du Vigneaud, Vincent, Jr.	Obstetrics & Gynecology	87
Dworetzky, Murray	Medicine	77
Dye, Robert E.	Medicine	81
Eanes, Edward D.	Surgery	103
Earnest, Michael	Medicine	81
Easton, J. Donald	Medicine	81
Eaton, Richard G.	Surgery	104
Eckardt, Robert E.	Medicine	79
Eckel, John H.	Surgery	103
Ecker, Malcolm L.	Surgery	104
Eddy, Harrison P.	Psychiatry	96
Edelman, Martin	Radiology	101
Edelson, Stuart R.	Psychiatry	97
Edwards, Adrian	Medicine	81
Edwards, Dayton J.	Physiology (Emeritus)	11
Edwards, Nancy	Pediatrics	92
Egan, George F.	Surgery	103
Ehlers, Kathryn H.	Pediatrics	91
Ehrensing, Rudolph E.	Psychiatry	98
Ehrlich, Alvin N.	Medicine	81
Eichenholtz, Sidney	Surgery	103
Eilers, Elizabeth A.	Medicine	79
Eisenmenger, William	Medicine	77
Ejrup, Borje E. V.	Medicine	77
Emery, Edward S.	Medicine	81
Engle, Mary Allen	Pediatrics	91
Engle, Ralph L., Jr.	Medicine	77
Epp, Edward R.	Sloan-Kettering (Biophysics)	119
Epstein, Nathan	Pediatrics	91
Epstein, Simon J.	Psychiatry	97
Eras, Philip	Medicine	81
Erlandson, Marion E.	Pediatrics	91
Erlanger, Herbert L.	Anesthesiology	74
Erle, Henry R.	Medicine	79
Eryol, Azak S.	Pathology	90
Esakof, Ernest R.	Medicine	81
Escher, George C.	Medicine	79
Eskes, Philip W. H.	Pediatrics	92
Eskesen, Ralph A.	Medicine	81
Essner, Edward S.	Sloan-Kettering (Biology)	118
Ettinger, Edwin	Medicine	81
Evans, John A.	Radiology	101
Exelby, W. Philip E.	Surgery	106
Eyster, M. Elaine	Medicine	79
Fahey, Thomas	Medicine	79
Failmezger, Theodore	Medicine	81
Faragalla, Farouk F.	Psychiatry	96
Farina, James	Obstetrics & Gynecology	87
Farnsworth, Peter B.	Pediatrics	92
Farr, Hollon	Surgery	103
Farrell, Robert M.	Surgery	104
Farrow, Joseph H.	Surgery	105
Fauci, Anthony	Medicine	81
Feder, Aaron	Medicine	77
Feingold, Martin L.	Medicine	81

Feldmann, Floyd M.	Public Health	99
Fell, Colin	Physiology	94
Felton, Rosemary B.	Psychiatry	97
Ferguson, G. Renee	Psychiatry	97
Fillmore, Sidney	Medicine	81
Finkbeiner, John A.	Medicine	79
Finkle, Theodore H.	Psychiatry	97
Finn, James E.	Surgery	104
Firschein, Hillard E.	Surgery	103
Fish, Irving	Pediatrics	92
Fisher, Bernard	Psychiatry	96
Fissekis, John D.	Sloan-Kettering (Biochemistry)	117
Flach, Frederic F.	Psychiatry	96
Fleetwood, M. Freile	Psychiatry	97
Fleming, Richard	Radiology	101
Flynn, John T.	Medicine	79
Flynn, William F.	Surgery	104
Focht, Elizabeth F.	Radiology (Physics)	101
Fogh, Jorgen E.	Sloan-Kettering (Biology)	118
Foley, William T.	Medicine	77
Foote, Frank W., Jr.	Sloan-Kettering (Biology)	118
Foraste, Roland J.	Psychiatry	98
Forkner, Claude E.	Medicine (Emeritus)	11
Forkner, Claude E., Jr.	Medicine	81
Fortner, Joseph	Surgery	105
Fountain, Gerard	Psychiatry	96
Fox, Jack J.	Sloan-Kettering (Biochemistry)	117
Fox, John L.	Anesthesiology	14
Fracchia, Alfred A.	Surgery	105
Franklin, John E.	Pediatrics	91
Frazell, Edgar L.	Surgery	105
Freedman, Walter	Obstetrics & Gynecology	87
Freiberger, Robert H.	Radiology	101
Freiman, Alvin H.	Medicine	77
Freyberg, Richard H.	Medicine	77
Freydberg, Nicholas	Psychiatry	96
Fried, Jerrold	Sloan-Kettering (Biophysics)	119
Fried, Robert	Psychiatry	97
Friedman, Lionel O.	Psychiatry	96
Friess, Constance	Medicine	77
Frimpter, George W.	Medicine	77
Fuchs, Fritz F.	Obstetrics & Gynecology	86
Furth, Eugene	Medicine; Radiology	79; 101
Gabel, Milton	Surgery	104
Gallmeier, Walter	Medicine	81
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Assistant Professors	378
Instructors, Assistants, etc.	669
Total	1332

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